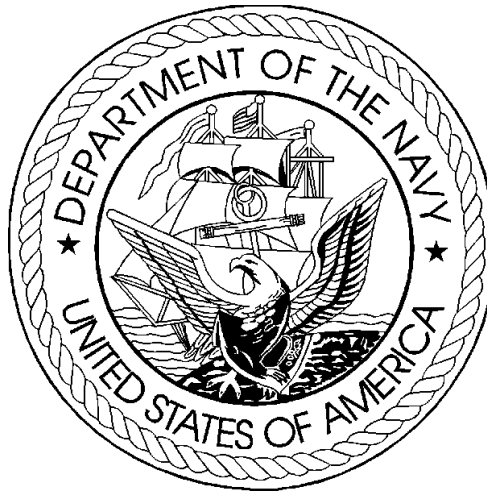


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2001
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2000

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

UNCLASSIFIED

DEPARTMENT OF THE NAVY

FY 2001 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

February 2000

APPROPRIATION: OTHER PROCUREMENT, NAVY

ACTIVITY -----	FY 1999 -----	FY 2000 -----	FY 2001 -----
01. SHIPS SUPPORT EQUIPMENT	948.4	910.4	573.5
02. COMMUNICATIONS AND ELECTRONICS EQUIPMENT	1,646.1	1,948.8	1,490.3
03. AVIATION SUPPORT EQUIPMENT	247.1	237.6	204.9
04. ORDNANCE SUPPORT EQUIPMENT	719.1	652.0	498.0
05. CIVIL ENGINEERING SUPPORT EQUIPMENT	54.4	68.7	97.7
06. SUPPLY SUPPORT EQUIPMENT	89.2	140.0	161.8
07. PERSONNEL AND COMMAND SUPPORT EQUIPMENT	98.4	71.0	99.5
08. SPARES AND REPAIR PARTS	243.9	273.2	208.9
TOTAL OTHER PROCUREMENT, NAVY	4,046.7	4,301.5	3,334.6

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS									
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001				S
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	E
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BUDGET ACTIVITY 01: SHIPS SUPPORT EQUIPMENT									

SHIP PROPULSION EQUIPMENT									
1	LM-2500 GAS TURBINE	A		8.6		8.3		7.0	U
2	ALLISON 501K GAS TURBINE	A		6.7		8.3		6.3	U
3	STEAM PROPULSION IMPROVEMENT	A		.6					U
4	OTHER PROPULSION EQUIPMENT	A		12.0					U
GENERATORS									
5	OTHER GENERATORS	A		18.1					U
PUMPS									
6	OTHER PUMPS	A		1.0					U
PROPELLERS									
7	SUBMARINE PROPELLERS	A		7.8				3.8	U
8	OTHER PROPELLERS AND SHAFTS	A		1.1					U
NAVIGATION EQUIPMENT									
9	OTHER NAVIGATION EQUIPMENT	A		58.7		100.0		33.4	U
UNDERWAY REPLENISHMENT EQUIPMENT									
10	UNDERWAY REPLENISHMENT EQUIPMENT	A		7.3		15.6		9.1	U
PERISCOPES									
11	SUB PERISCOPES & IMAGING EQUIP	A		28.5		64.7		19.0	U
OTHER SHIPBOARD EQUIPMENT									
12	FIREFIGHTING EQUIPMENT	A		11.1		16.9		16.8	U
13	COMMAND AND CONTROL SWITCHBOARD	A		10.0		14.2		10.5	U

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S E C
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY	FY 1999 COST	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST		
14	POLLUTION CONTROL EQUIPMENT	B		117.0		114.4		47.8	U	
15	SUBMARINE SILENCING EQUIPMENT	A		3.4					U	
16	SUBMARINE SUPPORT EQUIPMENT	A				50.3		11.4	U	
17	SUBMARINE BATTERIES	A		8.3		13.0		12.4	U	
18	SSN21 CLASS SUPPORT EQUIPMENT	A		15.3					U	
19	STRATEGIC PLATFORM SUPPORT EQUIP	A		10.1		21.0		6.2	U	
20	DSSP EQUIPMENT	A		10.3		7.9		5.4	U	
21	LCAC	A				4.0		3.6	U	
22	MINESWEEPING EQUIPMENT	A		.4		19.6		16.6	U	
23	HM&E ITEMS UNDER \$2 MILLION	A		50.7					U	
24	ITEMS LESS THAN \$5 MILLION	A				127.7		58.9	U	
25	SURFACE IMA	A		4.1				2.0	U	
26	MINI/MICROMINI ELECTRONIC REPAIR	A		.5					U	
27	SUBMARINE LIFE SUPPORT SYSTEM	A				1.3		4.9	U	
REACTOR PLANT EQUIPMENT										
28	REACTOR POWER UNITS	A		226.4					U	
29	REACTOR COMPONENTS	A		210.5		198.0		203.4	U	
OCEAN ENGINEERING										
30	DIVING AND SALVAGE EQUIPMENT	A		5.6		5.5		5.6	U	
31	EOD UNDERWATER EQUIPMENT	B		8.1					U	
SMALL BOATS										
32	STANDARD BOATS	A		1.4		3.1		2.7	U	

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001					E
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		C
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TRAINING EQUIPMENT										
33	OTHER SHIPS TRAINING EQUIPMENT	A		1.8		3.8		3.3		U
PRODUCTION FACILITIES EQUIPMENT										
34	OPERATING FORCES IPE	A		.7		4.5		2.7		U
OTHER SHIP SUPPORT										
35	NUCLEAR ALTERATIONS	A		94.1		108.3		80.9		U
DRUG INTERDICTION SUPPORT										
36	DRUG INTERDICTION SUPPORT	A		8.3						U
TOTAL SHIPS SUPPORT EQUIPMENT				948.4		910.4		573.5		
BUDGET ACTIVITY 02: COMMUNICATIONS AND ELECTRONICS EQUIPMENT										

SHIP RADARS										
37	AN/SPS-49	A		1.0		2.2				U
38	RADAR SUPPORT	A		28.6		19.9				U
39	TISS	A		3.5		1.7				U
SHIP SONARS										
40	AN/SQQ-89 SURF ASW COMBAT SYSTEM	A		23.2		31.7		14.3		U
41	SSN ACOUSTICS	A		142.7		216.4		106.6		U
42	UNDERSEA WARFARE SUPPORT EQUIPMENT	A				11.5		.8		U
43	SONAR SUPPORT EQUIPMENT	A		8.1		3.0				U
44	SONAR SWITCHES AND TRANSDUCERS	A		12.7		14.0		10.7		U
ASW ELECTRONIC EQUIPMENT										
45	SUBMARINE ACOUSTIC WARFARE SYSTEM	A		7.3		11.1		10.7		U

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S E C
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY	FY 1999 COST	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST		
46	SSTD	A		.8					U	
47	ACOUSTIC COMMUNICATIONS	A		.4					U	
48	FIXED SURVEILLANCE SYSTEM	A		9.4		16.6		29.9	U	
49	SURTASS	A		12.5		7.2		5.5	U	
50	ASW OPERATIONS CENTER	A		2.6		4.4		6.2	U	
51	CARRIER ASW MODULE	A		.4					U	
ELECTRONIC WARFARE EQUIPMENT										
52	AN/SLQ-32	A		1.5		1.9			U	
53	AN/WLR-1	A		1.8					U	
54	INFORMATION WARFARE SYSTEMS	A		3.4		4.1		3.9	U	
55	C-3 COUNTERMEASURES	A		10.0					U	
RECONNAISSANCE EQUIPMENT										
56	SHIPBOARD IW EXPLOIT	A		40.1		50.9		61.5	U	
57	COMMON HIGH BANDWIDTH DATA LINK	A		55.6		36.8			U	
SUBMARINE SURVEILLANCE EQUIPMENT										
58	AN/WLQ-4	A		2.8					U	
59	SUBMARINE SUPPORT EQUIPMENT PROG	A		3.9		38.2		17.3	U	
OTHER SHIP ELECTRONIC EQUIPMENT										
60	NAVY TACTICAL DATA SYSTEM	A		12.1		22.4			U	
61	COOPERATIVE ENGAGEMENT CAPABILITY	B		81.7		60.2		15.9	U	
62	GCCS-M EQUIPMENT AFLOAT	A		41.1		24.9		37.4	U	
63	NAVAL TACTICAL COMMAND SUPPORT SYSTEM	A		79.2		58.2		46.7	U	
64	ATDLS	A		28.8		19.0		19.2	U	

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S E C
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY	FY 1999 COST	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST		
65	MINESWEEPING SYSTEM REPLACEMENT	A		17.2		19.6		9.0	U	
66	SHALLOW WATER MCM	B		7.3		18.7		16.9	U	
67	NAVSTAR GPS RECEIVERS (SPACE)	A		9.4		8.5		9.6	U	
68	ARMED FORCES RADIO AND TV	A		15.9		7.7		9.0	U	
69	STRATEGIC PLATFORM SUPPORT EQUIP	A		12.5		24.7		15.4	U	
TRAINING EQUIPMENT										
70	OTHER SPAWAR TRAINING EQUIPMENT	A		1.0		1.0		1.3	U	
71	OTHER TRAINING EQUIPMENT	A		26.8		51.1		21.4	U	
AVIATION ELECTRONIC EQUIPMENT										
72	MATCALS	A		11.6		12.3		4.3	U	
73	SHIPBOARD AIR TRAFFIC CONTROL	B		8.5		7.5		7.9	U	
74	AUTOMATIC CARRIER LANDING SYSTEM	A		10.7		18.5		18.5	U	
75	NATIONAL AIR SPACE SYSTEM	B		7.7		34.9		30.5	U	
76	AIR STATION SUPPORT EQUIPMENT	A		7.2		7.2		6.7	U	
77	MICROWAVE LANDING SYSTEM	A		4.6		5.3		5.1	U	
78	FACSFAC	A		3.7		5.3		4.3	U	
79	ID SYSTEMS	A		17.6		9.2		14.3	U	
80	SURFACE IDENTIFICATION SYSTEMS	A		2.6		.6			U	
81	TAC A/C MISSION PLANNING SYS(TAMPS)	A		23.2		20.7		12.0	U	
OTHER SHORE ELECTRONIC EQUIPMENT										
82	GCCS-M EQUIPMENT ASHORE	A		4.0		9.4			U	
83	OSIS EVOLUTIONARY DEVELOPMENT (OED)	A		.9					U	
84	TADIX-B	A		4.3		18.8		*	U	

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DATE: February 2000

MILLIONS OF DOLLARS										S E C
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY	FY 1999 COST	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST		
85	NAVAL SPACE SURVEILLANCE SYSTEM	A				7.8		2.7	U	
86	GCCS-M EQUIPMENT TACTICAL/MOBILE	A		24.6		14.0			U	
87	COMMON IMAGERY GROUND SURFACE SYSTEMS	A		65.2		41.0		47.0	U	
88	RADIAC	A		4.0		4.3		8.3	U	
89	GPETE	A		9.5		7.7		7.4	U	
90	INTEG COMBAT SYSTEM TEST FACILITY	A		6.4		4.3		4.4	U	
91	CALIBRATION STANDARDS	A		1.9					U	
92	EMI CONTROL INSTRUMENTATION	A		7.5		6.5		5.4	U	
93	SHORE ELEC ITEMS UNDER \$2 MILLION	A		10.4					U	
94	ITEMS LESS THAN \$5 MILLION	A				10.9		4.9	U	
SHIPBOARD COMMUNICATIONS										
95	SHIPBOARD TACTICAL COMMUNICATIONS	A		31.9		25.2			U	
96	PORTABLE RADIOS	A		6.4					U	
97	SINCGARS	A		27.7					U	
98	SHIP COMMUNICATIONS AUTOMATION	A		109.1		229.2		185.1	U	
99	SHIP COMM ITEMS UNDER \$5 MILLION	A		31.2		30.5			U	
100	INTEGRATED BROADCAST SYSTEM	A		10.2					U	
101	COMMUNICATIONS ITEMS UNDER \$5M	A						30.9	U	
SUBMARINE COMMUNICATIONS										
102	SHORE LF/VLF COMMUNICATIONS	A		13.9		36.2		31.4	U	
103	SUBMARINE COMMUNICATION EQUIPMENT	A		63.7		83.2		78.0	U	
104	ADVANCED VLF RECEIVER	B		16.1					U	

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DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001					E
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		C
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SATELLITE COMMUNICATIONS										
105	SATCOM SHIP TERMINALS (SPACE)	A		140.8		216.5				U
106	SATELLITE COMMUNICATIONS SYSTEMS	A						252.7		U
107	SATCOM SHORE TERMINALS (SPACE)	A		65.1		65.3				U
SHORE COMMUNICATIONS										
108	JCS COMMUNICATIONS EQUIPMENT	A		3.3		3.7		2.5		U
109	NSIPS	A		5.1		7.0		1.8		U
110	JEDMICS	A		7.0		16.9				U
111	GCCS EQUIPMENT	A		2.5						U
112	NAVAL SHORE COMMUNICATIONS	A		105.8		113.4		176.1		U
CRYPTOGRAPHIC EQUIPMENT										
113	INFO SYSTEMS SECURITY PROGRAM (ISSP)	A		39.2		66.8		46.6		U
CRYPTOLOGIC EQUIPMENT										
114	SPECIAL DCP	A						15.0		U
115	CRYPTOLOGIC COMMUNICATIONS EQUIP	A		20.8		21.0		17.2		U
DRUG INTERDICTION SUPPORT										
116	OTHER DRUG INTERDICTION SUPPORT	A		5.3						U
				-----		-----		-----		
TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT				1,646.1		1,948.8		1,490.3		
BUDGET ACTIVITY 03: AVIATION SUPPORT EQUIPMENT										

SONOBUOYS										
117	AN/SSQ-36 (BT)	A		2.9						U
118	AN/SSQ-53 (DIFAR)	A		28.0						U

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS										S
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001					E
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		C
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119	PASSIVE SONOBUOYS (NON-BEAM FORMING)	A				20.8				U
120	AN/SSQ-57 (SPECIAL PURPOSE)	A		2.4						U
121	AN/SSQ-62 (DICASS)	A		24.3		16.6				U
122	AN/SSQ-101 (ADAR)	B		19.4		16.7				U
123	SIGNAL, UNDERWATER SOUND (SUS)	A		1.4						U
124	SONOBUOYS - ALL TYPES	A						49.5		U
125	MISCELLANEOUS SONOBUOYS LESS THAN \$5 M	A				2.2				U
AIRCRAFT SUPPORT EQUIPMENT										
126	WEAPONS RANGE SUPPORT EQUIPMENT	A		22.9		23.0		15.1		U
127	EXPEDITIONARY AIRFIELDS	A		2.4		.1		3.3		U
128	AIRCRAFT REARMING EQUIPMENT	A		12.7		12.4		10.7		U
129	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A		37.5		40.4		36.4		U
130	METEOROLOGICAL EQUIPMENT	A		27.9		31.3		30.9		U
131	OTHER PHOTOGRAPHIC EQUIPMENT	A		.6		1.7		1.7		U
132	AVIATION LIFE SUPPORT	A		22.7		36.8		20.4		U
133	AIRBORNE MINE COUNTERMEASURES	A		35.3		31.3		32.1		U
134	REWSON PHOTOGRAPHIC EQUIPMENT	A		.8						U
135	OTHER AVIATION SUPPORT EQUIPMENT	A		5.8		4.2		4.9		U
				-----	-----		-----			
TOTAL AVIATION SUPPORT EQUIPMENT				247.1		237.6		204.9		
BUDGET ACTIVITY 04: ORDNANCE SUPPORT EQUIPMENT										

SHIP GUN SYSTEM EQUIPMENT										
136	GUN FIRE CONTROL EQUIPMENT	A		31.0		5.8		18.3		U

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MILLIONS OF DOLLARS										S
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001					E
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		C
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SHIP MISSILE SYSTEMS EQUIPMENT										
137	MK-92 FIRE CONTROL SYSTEM	A		1.0						U
138	TARTAR SUPPORT EQUIPMENT	A		*						U
139	POINT DEFENSE SUPPORT EQUIPMENT	A		*						U
140	NATO SEASPARROW	A		7.3		.5		21.7		U
141	RAM GMLS	A		63.1		39.1		37.3		U
142	SHIP SELF DEFENSE SYSTEM	B		38.6		38.6		9.4		U
143	AEGIS SUPPORT EQUIPMENT	A		89.4		91.2		36.8		U
144	SURFACE TOMAHAWK SUPPORT EQUIPMENT	A		96.7		85.3		70.6		U
145	SUBMARINE TOMAHAWK SUPPORT EQUIP	A		3.9		2.1		2.9		U
146	VERTICAL LAUNCH SYSTEMS	A		10.3		7.2		7.0		U
FBM SUPPORT EQUIPMENT										
147	STRATEGIC PLATFORM SUPPORT EQUIP	A		2.9		9.3		2.9		U
148	STRATEGIC MISSILE SYSTEMS EQUIP	A		275.7		238.2		166.6		U
149	ANTI-SHIP MISSILE DECOY SYSTEM	A		21.9		32.3		33.8		U
ASW SUPPORT EQUIPMENT										
150	SSN COMBAT CONTROL SYSTEMS	A		18.7		35.1		20.9		U
151	SUBMARINE ASW SUPPORT EQUIPMENT	A		5.7		3.7		4.0		U
152	SURFACE ASW SUPPORT EQUIPMENT	A		4.9		6.1		6.3		U
153	ASW RANGE SUPPORT EQUIPMENT	A		4.5		6.4		6.9		U
OTHER ORDNANCE SUPPORT EQUIPMENT										
154	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	B		8.8		8.9		7.5		U
155	UNMANNED SEABORNE TARGET	A		1.9						U

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS									
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001				S
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	E
----	-----	----	-----	-----	-----	-----	-----	-----	C
156	INDUSTRIAL FACILITIES (CALIBRATION EQU	A		1.0					U
157	ITEMS LESS THAN \$5 MILLION	A				4.3		5.6	U
158	STOCK SURVEILLANCE EQUIPMENT	A		1.4					U
	OTHER EXPENDABLE ORDNANCE								
159	FLEET MINE SUPPORT EQUIPMENT	A		*					U
160	SURFACE TRAINING DEVICE MODS	A		6.8		10.6		7.9	U
161	SUBMARINE TRAINING DEVICE MODS	A		23.5		27.4		31.6	U
				-----		-----		-----	
	TOTAL ORDNANCE SUPPORT EQUIPMENT			719.1		652.0		498.0	
BUDGET ACTIVITY 05: CIVIL ENGINEERING SUPPORT EQUIPMENT									

CIVIL ENGINEERING SUPPORT EQUIPMENT									
162	ARMORED SEDANS	A	1	.2			1	.2	U
163	PASSENGER CARRYING VEHICLES	A	102	3.2	25	.6	3	.1	U
164	SPECIAL PURPOSE VEHICLES	A		4.3					U
165	GENERAL PURPOSE TRUCKS	A		.1		1.6		1.0	U
166	CONSTRUCTION & MAINTENANCE EQUIP	A		1.5		2.7		6.2	U
167	FIRE FIGHTING EQUIPMENT	A		1.6		2.3		2.5	U
168	TACTICAL VEHICLES	B		1.3		9.3		10.5	U
169	AMPHIBIOUS EQUIPMENT	A		19.7		20.5		51.6	U
170	COMBAT CONSTRUCTION SUPPORT EQUIP	A		1.1					U
171	MOBILE UTILITIES SUPPORT EQUIPMENT	A		.4					U
172	OCEAN CONSTRUCTION EQUIPMENT	A		.4					U
173	POLLUTION CONTROL EQUIPMENT	A		20.7		23.9		22.2	U

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FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS									
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001				
NO		CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	S E C
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174	ITEMS UNDER \$5 MILLION	A			7.8		3.4		U
				-----	-----		-----		
	TOTAL CIVIL ENGINEERING SUPPORT EQUIPMENT			54.4	68.7		97.7		
	BUDGET ACTIVITY 06: SUPPLY SUPPORT EQUIPMENT								

	SUPPLY SUPPORT EQUIPMENT								
175	MATERIALS HANDLING EQUIPMENT	A		4.7	6.2		7.6		U
176	OTHER SUPPLY SUPPORT EQUIPMENT	A		11.9	6.9		5.2		U
177	FIRST DESTINATION TRANSPORTATION	A		4.4	1.6		4.1		U
178	SPECIAL PURPOSE SUPPLY SYSTEMS	A		68.3	125.2		144.9		U
				-----	-----		-----		
	TOTAL SUPPLY SUPPORT EQUIPMENT			89.2	140.0		161.8		
	BUDGET ACTIVITY 07: PERSONNEL AND COMMAND SUPPORT EQUIPMENT								

	TRAINING DEVICES								
179	TRAINING SUPPORT EQUIPMENT	A		5.1	3.1		1.6		U
	COMMAND SUPPORT EQUIPMENT								
180	COMMAND SUPPORT EQUIPMENT	A		28.2	14.9		15.6		U
181	EDUCATION SUPPORT EQUIPMENT	A		2.3	2.3		2.1		U
182	MEDICAL SUPPORT EQUIPMENT	A		1.3	5.0		7.4		U
183	INTELLIGENCE SUPPORT EQUIPMENT	A		23.0	19.3		16.0		U
184	OPERATING FORCES SUPPORT EQUIPMENT	A		9.6	5.8		25.0		U
185	ENVIRONMENTAL SUPPORT EQUIPMENT	A		16.5	18.3		22.2		U
186	PHYSICAL SECURITY EQUIPMENT	A			2.3		9.6		U

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: February 2000

MILLIONS OF DOLLARS									
LINE	ITEM NOMENCLATURE	IDENT	FY 1999	FY 2000	FY 2001				
NO		CODE	QUANTITY	QUANTITY	QUANTITY				
			COST	COST	COST				
----	-----	-----	-----	-----	-----	-----			
OTHER									
187	CANCELLED ACCOUNT ADJUSTMENTS	A	12.4			U			
			-----	-----	-----				
	TOTAL PERSONNEL AND COMMAND SUPPORT EQUIPMENT		98.4	71.0	99.5				
BUDGET ACTIVITY 08: SPARES AND REPAIR PARTS									

SPARES AND REPAIR PARTS									
188	SPARES AND REPAIR PARTS	A	243.9	273.2	208.9	U			
			-----	-----	-----				
	TOTAL SPARES AND REPAIR PARTS		243.9	273.2	208.9				
			-----	-----	-----				
	TOTAL OTHER PROCUREMENT, NAVY		4,046.7	4,301.5	3,334.6				

Other Procurement, Navy
Program and Financing (in Thousands of dollars)

		Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
Identification code	17-1810-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Program by activities:							
Direct program:							
00.0101	Ships support equipment	946,065	910,427	573,480	939,561	771,374	609,406
00.0201	Communications and electronics equipment	1,642,290	1,948,778	1,490,336	1,597,867	2,135,453	1,537,011
00.0301	Aviation support equipment	251,256	237,554	204,932	255,317	202,969	204,020
00.0401	Ordnance support equipment	714,877	651,967	497,956	674,332	580,051	510,092
00.0501	Civil engineering support equipment	54,367	68,674	97,670	42,748	68,151	93,629
00.0601	Supply support equipment	89,139	139,984	161,808	94,599	114,395	151,299
00.0701	Personnel and command support equipment	104,909	70,961	99,488	109,472	76,146	98,117
00.0801	Spares and repair parts	243,799	273,155	208,941	235,003	235,346	210,511
00.9101	Total direct program	4,046,702	4,301,500	3,334,611	3,948,899	4,183,885	3,414,085
01.0101	Reimbursable program	53,392	42,000	42,000	45,999	54,202	42,000
10.0001	Total	4,100,094	4,343,500	3,376,611	3,994,898	4,238,087	3,456,085
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-1,735	-42,000	-42,000	-1,627	-42,000	-42,000
14.0001	Non-Federal sources(-)	-51,657			-52,778		
17.0001	Recovery of prior year obligations				-8,731		
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans				-465,555	-543,326	-648,739
21.4003	Available to finance new budget plans		-38,951			-38,951	
21.4009	Reprogramming from/to prior year budget plan	-37,167					
Unobligated balance available, end of year:							
24.4002	For completion of prior year budget plans				543,326	648,739	569,265
24.4003	Available to finance subsequent year budget	38,951			38,951		
25.0001	Unobligated balance expiring	6,500			6,500		
39.0001	Budget authority	4,054,986	4,262,549	3,334,611	4,054,986	4,262,549	3,334,611
Budget authority:							
40.0001	Appropriation	4,060,662	4,320,238	3,334,611	4,060,662	4,320,238	3,334,611
40.3601	Unobligated Balance Rescinded	-28,500	-38,951		-28,500	-38,951	
40.7601	Reduction pursuant to P.L. 106-113(-), Tit1		-22,138			-22,138	
40.7701	Reduction pursuant to P.L. 105-262 (-), 803	-55,247			-55,247		
41.0001	Transferred to other accounts (-)	-3,000			-3,000		
42.0001	Transferred from other accounts	81,071	3,400		81,071	3,400	
43.0001	Appropriation (adjusted)	4,054,986	4,262,549	3,334,611	4,054,986	4,262,549	3,334,611

Other Procurement, Navy
Program and Financing (in Thousands of dollars)

		Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
Identification code	17-1810-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				3,940,493	4,196,087	3,414,085
72.1001	From Federal sources: Receivables and unpaid, unfilled orders, SOY				-78,045	-66,263	-66,263
72.4001	Obligated balance, start of year				3,193,645	3,682,444	4,005,971
74.1001	From Federal sources: Receivables and unpaid, unfilled orders, EOY				66,263	66,263	66,263
74.4001	Obligated balance, end of year				-3,682,444	-4,005,971	-3,633,925
77.0001	Adjustments in expired accounts (net)				-68,467		
78.0001	Adjustments in unexpired accounts				-8,731		
90.0001	Outlays (net)				3,362,714	3,872,560	3,786,131

Other Procurement, Navy
Object Classification (in Thousands of dollars)

Identification code	17-1810-0-1-051	1999 actual	2000 est.	2001 est.
Direct obligations:				
125.101	Advisory and assistance services	21,340	23,159	21,976
125.201	Other services	7,603	131,712	159,771
	Purchases goods/services from Government accounts			
125.301	Purchase of goods/services from Government accounts	126,825	138,806	131,034
125.303	Purchases from revolving funds	908,958	950,977	876,731
126.001	Supplies and materials	111,066	118,846	69,334
131.001	Equipment	2,773,107	2,820,385	2,155,239
199.001	Total Direct obligations	3,948,899	4,183,885	3,414,085
Reimbursable obligations:				
	Purchases goods/services from Government accounts			
225.303	Purchases from revolving funds	14,718	41,598	41,591
226.001	Supplies and materials		402	409
231.001	Equipment	31,281	12,202	
299.001	Total Reimbursable obligations	45,999	54,202	42,000
999.901	Total obligations	3,994,898	4,238,087	3,456,085

Comparison of FY 1999 Financing as reflected
in FY 2000 Budget with 1999 Financing as
Shown in the FY 2001 Budget

(\$ In Thousands)

	Financing Per FY 2000 Budget	Financing Per FY 2001 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	4,050,915	\$4,100,094	+\$49,179
Program Requirements (Service Account)	(\$4,008,915)	(\$4,046,702)	(+37,787)
Program Requirements (Reimbursable)	(\$42,000)	(\$53,392)	(+11,392)
Appropriation (Adjusted)	\$3,980,415	\$4,054,986	+\$74,571

Explanation of Changes in Financing

The Fiscal Year 1999 program has changed since the presentation of the FY 2000 budget as noted below:

1. Program Requirements. There has been a net increase to the appropriation (adjusted) of (+\$49,179). This net change is comprised of an increase in program requirements (+\$37,787) plus an increase in reimbursable authority of (+\$11,392).

Comparison of FY 1999 program requirements as reflected
in the FY 2000 Budget with FY 1999 program requirements
as shown in the FY 2001 Budget

Summary of Requirements
(\$ in Thousands)

	Total Program Requirements per FY 2000 Budget	Total Program Requirements per FY 2001 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$954,401	\$948,436	-\$5965
Communications and Electronic Equip	1,184,901	1,646,128	-46,122
Aviation Support Equipment	243,679	247,148	-3,469
Ordnance Support Equipment	715,972	719,069	+3,097
Civil Engineering Support Equip	54,856	54,389	-467
Supply Support Equipment	89,537	89,230	-307
Personnel and Command Support Equip	74,063	98,411	+23,348
Spares and Repair Parts	246,506	243,891	-2,615
Total Fiscal Year Program	\$4,063,915	\$4,046,702	-\$17,213

Explanation by Budget Activity
(\$ In Thousands)

1. SHIP SUPPORT EQUIPMENT (-\$5,965) - Net decrease reflecting (-\$17,650) FY 1999 Congressional adjustments and internal reprogrammings (+\$11,685) including (+\$5,300) for Counter Drug Interdiction.

Explanation by Budget Activity (Continued)
(\$ In Thousands)

2. COMMUNICATIONS & ELECTRONIC EQUIPMENT (-\$46,122) - Net decrease reflecting (-\$9,307) FY 1999 Congressional recissions, other Congressional adjustments (-\$17,026), offsets for high priority Navy programs, (-\$10,399), and internal reprogramming actions of (-\$9390).
3. AVIATION SUPPORT EQUIPMENT (-\$3469) - Net decrease reflecting (-\$15,243) Congressional adjustments, and internal reprogrammings (+11,774).
4. ORDNANCE SUPPORT EQUIPMENT (+\$3,097) - Net increase reflecting Congressional adjustments (-\$7,073), and internal reprogrammings (+\$10,170).
5. CIVIL ENGINEERING SUPPORT (-\$467) - Net decrease reflecting Congressional adjustments (-\$620), and internal realignments (+\$153).
6. SUPPLY SUPPORT EQUIPMENT (-\$307) - Net decrease reflecting Congressional adjustments (-\$307).
7. PERSONNEL & COMMAND SUPPORT (+\$23,348) - Net increase reflecting Congressional adjustments (+\$6,500), economic assumptions (-\$704), and increases for high priority Navy programs including paperless acquisition and smartcard (+\$16,144).
8. SPARES & REPAIR PARTS (-\$2,615) - Net decrease reflecting Congressional adjustments (-\$3,191), and internal realignments (+\$576).

Comparison of FY 2000 Financing as reflected
in FY 2000 Budget with 2000 Financing as
Shown in the FY 2001 Budget

(\$ In Thousands)

	Financing Per FY 2000 Budget	Financing Per FY 2001 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	\$4,142,091	\$4,343,500	+\$201,409
Program Requirements (Service Account)	(\$4,100,091)	(\$4,301,500)	(+201,409)
Program Requirements (Reimbursable)	(\$42,000)	(\$42,000)	0
Appropriation (Adjusted)	\$4,100,091	\$4,262,549	+\$162,458

Explanation of Changes in Financing

The Fiscal Year 2000 program has changed since the presentation of the FY 2000 budget as noted below:

1. Program Requirements. There has been a net increase to the appropriation (adjusted) of +\$162,458. This net change is comprised of an increase in program requirements (+\$184,596), less rescissions of (-\$22,138).

Comparison of FY 2000 program requirements as reflected
in the FY 2000 Budget with FY 2000 program requirements
as shown in the FY 2001 Budget

Summary of Requirements (\$ in Thousands)

	Total Program Requirements per FY 2000 Budget	Total Program Requirements per FY 2001 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$858,709	\$910,427	+\$51,718
Communications and Electronic Equip	1,845,227	1,948,778	+103,551
Aviation Support Equipment	216,237	237,554	+21,317
Ordnance Support Equipment	629,418	651,967	+22,549
Civil Engineering Support Equip	67,144	68,674	+1,530
Supply Support Equipment	139,628	139,984	+356
Personnel and Command Support Equip	67,598	70,961	+3,363
Spares and Repair Parts	276,130	273,155	-2,975
Total Fiscal Year Program	\$4,100,091	\$4,301,500	+\$201,409

Explanation by Budget Activity
(\$ in Thousands)

1. Ships Support Equipment (+\$51,718) – Net changes reflect FY 2000 Congressional adjustments (+\$51,718).
2. Communications and Electronics Equipment (+\$103,551) – Net changes reflect FY 2000 Congressional adjustments (+\$103,551).

Comparison of FY 2000 program requirements as reflected
in the FY 2000 Budget with FY 2000 program requirements
as shown in the FY 2001 Budget

Explanation by Budget Activity (Continued)
(\$ in Thousands)

3. Aviation Support Equipment (+\$21,317) - Changes reflect FY 2000 Congressional reductions (-\$8953), and Congressional increases (+\$30,270).
4. Ordnance Support Equipment (+\$22,549) - Changes reflect FY 2000 Congressional adjustments (+\$13,345), and DoN internal realignments (+\$9,204).
5. Civil Engineering Support Equipment (+\$1,530) - Changes reflect FY 2000 Congressional adjustments (+\$1,530).
6. Supply Support Equipment (+\$356) - Changes reflect FY 2000 Congressional reductions (-\$744), and Congressional increases (+\$1,100).
7. Personnel and Command Support (+\$3,363) - Changes reflect Congressional reductions (-\$286), and Department realignments (+\$3,649).
8. Spare and Repair Parts (-\$2,975) - Changes reflect FY 2000 Congressional reductions (-\$1,435) and internal reprogrammings (-\$1,540).

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-36 (BT) SONOBUOY PEO(A) PROGRAM NARM#400500																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY	2,954		8,822	11,092																								
COST (In Millions)	\$71.4	A	\$2.3	\$2.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to ASW aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean.</p> <p>The FY98 program has been awarded to Sparton for a quantity of 8,822.</p> <p>The FY99 program has been awarded to Hermes (8,092) and Sparton (3,000) for a total quantity of 11,092.</p> <p>In FY00 the SSQ-36 is combined into a new budget line -- 405000 Miscellaneous Sonobuoys Less Than \$5M.</p> <p>Beginning in FY01 the AN/SSQ-36 is combined into a new budget line -- 404800 Sonobuoys All Types.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY99</td> <td style="text-align: center;">FY00</td> <td style="text-align: center;">FY01</td> <td style="text-align: center;">FY02</td> <td style="text-align: center;">FY03</td> <td style="text-align: center;">FY04</td> <td style="text-align: center;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	0	0	0	0	0	0	0
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	0	0	0	0	0	0	0																					

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DD FORM 2446, JUN 86	P-1 SHOPPING LIST		CLASSIFICATION:
ITEM NO.	117	PAGE NO.	2

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-36 (BT)		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #400500				SUBHEAD U3QG	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 94										
AN/SSQ-36 w/SLC	3,300	238.40	NSWC CRANE		C/FFP	HERMES, CANADA	**	1/99	YES	
	2,000	255.26	NSWC CRANE		C/FFP	SPARTON, FL	**	11/98	YES	
FY 95										
AN/SSQ-36 w/SLC	4,625	255.26	NSWC CRANE		C/FFP	SPARTON, FL	**	9/97	YES	
FY97										
AN/SSQ-36 w/SLC	2,954	244.11	NSWC CRANE	Oct-96	C/FFP	SPARTON, FL	**	5/98	YES	
FY98										
AN/SSQ-36 w/SLC	8,822	243.14	NSWC CRANE	Oct-97	C/FFP	SPARTON, FL	3/98	10/98	YES	
FY99										
AN/SSQ-36 w/SLC	8,092	226.49	NSWC CRANE	Oct-98	C/FFP	HERMES, CANADA	1/99	1/00	YES	
	3,000	254.27	NSWC CRANE	Oct-98	C/FFP	SPARTON, FL	1/99	8/99	YES	
D. REMARKS										
** Contract Mod - Due to a partial termination of Hermes and subsequent reprocurement with Sparton.										

Exhibit P-21 Production Schedule

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET											DATE:																	
P-40											FEBRUARY 2000																	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-53 (DIFAR) SONOBUOY PEO (A) PROGRAM NARM #402500																					
Program Element for Code B Items: BA3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements																					
	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			113,714	71,373																								
COST (In Millions)	\$1,211.1	A	\$46.7	\$28.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information. The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) was developed in FY97 and incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth, and (4) Automatic Gain Control (AGC).</p> <p>FY97 contracts were awarded to Hermes (17,843), Sparton (6,556) and Raytheon (3,717) for a total quantity of 28,116 AN/SSQ-53E's. The FY97 program included \$6.5M for an AN/SSQ-53E ECP.</p> <p>The FY98 contract has been awarded to Hermes (9,880), Raytheon (57,137) and Sparton (46,697) for a total quantity of 113,714 AN/SSQ-53E's.</p> <p>The FY99 contract has been awarded to Hermes (56,595), Sparton (4,639) and USSI (10,139) for a total quantity of 71,373.</p> <p>In FY00 the SSQ-53 was combined into a new budget line -- 402600 Passive Sonobuoys (Non-Beamforming). Beginning in FY01 the SSQ-53 is budgeted under NARM 404800 Sonobuoys, All Types</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">FY98</td> <td style="text-align: right;">FY99</td> <td style="text-align: right;">FY00</td> <td style="text-align: right;">FY01</td> <td style="text-align: right;">FY02</td> <td style="text-align: right;">FY03</td> <td style="text-align: right;">FY04</td> <td style="text-align: right;">FY05</td> </tr> <tr> <td style="text-align: right;">2,494</td> <td style="text-align: right;">1,791</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> </table>													FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	2,494	1,791	0	0	0	0	0	0
FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
2,494	1,791	0	0	0	0	0	0																					

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-53 (DIFAR)		FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #402500				SUBHEAD U3QC	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
AN/SSQ-53 w/SLC	17,843	\$380.83	NSWC CRANE	10/96	C/FFP	HERMES, CAN	4/97	****10/98	YES	
	6,556	\$432.58	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	****3/99	YES	
	3,717	\$456.85	NSWC CRANE	10/96	C/FFP	RAYTHEON, IN	5/97	****4/99	YES	
FY98 **										
AN/SSQ-53 w/SLC	9,880	\$395.00	NSWC CRANE	10/97	C/FFP	HERMES, CAN	2/98	*****5/99	YES	
	46,697	\$353.44	NSWC CRANE	10/97	C/FFP	SPARTON, FL	2/98	*****6/99	YES	
	57,137	\$346.31	NSWC CRANE	10/97	C/FFP	RAYTHEON, IN	2/98	*****3/99	YES	
FY99 ***										
AN/SSQ-53 w/SLC	56,595	\$328.96	NSWC CRANE	10/98	C/FFP	HERMES, CAN	1/99	1/00	YES	
	4,639	\$409.93	NSWC CRANE	10/98	C/FFP	SPARTON, FL	1/99	1/00	YES	
	10,139	\$347.07	NSWC CRANE	10/98	C/FFP	USSI, IN	1/99	1/00	YES	
D. REMARKS										
<p>* In addition to hardware, total costs include \$355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages. ** In addition to hardware, total costs include \$23.5K for data packages separately priced. *** In addition to hardware, total costs include \$282K for a contract specification clarification.</p> <p>**** Time from award to delivery of 15-19 months due to ECP design and qualification testing.</p> <p>***** FY98 deliveries pending FY97 qualification completion.</p>										

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000																					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE PASSIVE SONOBUOYS (NON-BEAM FORMING) PEO(A) PROGRAM NARM#402600																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY					51,362																							
COST (In Millions)		A	\$0.0	\$0.0	\$20.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>Passive Sonobuoys (Non-Beam Forming) is a family of sonobuoys which provide acoustic target signature information for localization (AN-SSQ-53) and collection purposes (AN/SSQ-57). The AN/SSQ-53 (DIFAR) is a directional sonobuoy which provides acoustic target localization. The AN/SSQ-53E sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The engineering change proposal (ECP) was developed in FY97 and incorporates (1) a constant shallow Omni Hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth and Automatic Gain Control (AGC). The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise.</p> <p>Prior to FY00 the AN/SSQ-53 and AN/SSQ-57 were budgeted under NARMs 402500 and 403000, respectively.</p> <p>The FY00 program provides for 46,790 AN/SSQ-53 sonobuoys and 4,572 AN/SSQ-57 sonobuoys for a total of 51,362 Passive (Non-Beam Forming) Sonobuoys.</p> <p>A new configuration combining the functions of the AN/SSQ-53 and AN/SSQ-57 will be procured.</p> <p>Beginning in FY01 the AN/SSQ-53 and AN/SSQ-57 are combined into a new budget line -- 404800, Sonobuoys All Types</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY99</td> <td style="text-align: center;">FY00</td> <td style="text-align: center;">FY01</td> <td style="text-align: center;">FY02</td> <td style="text-align: center;">FY03</td> <td style="text-align: center;">FY04</td> <td style="text-align: center;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2.0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	0	2.0	0	0	0	0	0
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	0	2.0	0	0	0	0	0																					

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System PASSIVE SONOBUOYS (NON-BEAM FORMING)								DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #402600 SUBHEAD U3QW								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QW001	HARDWARE AN/SSQ-53 AN/SSQ-57	A				0 0			0 0	51,362 46,790 4,572		18,504 16,857 1,647			
QW830	PRODUCTION ENGINEERING AN/SSQ-53 AN/SSQ-57					0 0			0 0			1,110 1,015 95			
QW860	ACCEPTANCE TESTING AN/SSQ-53 AN/SSQ-57					0 0			0 0			1,202 1,100 102			
* Beginning in FY00 a new configuration combining the functions of the SSQ-53 and the SSQ-57 will be procured.															
												\$20,816			\$0

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Passive (Non-Beam Forming)		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #402600				SUBHEAD U3QW	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY00										
AN/SSQ-53 w/SLC*	46,790	360.27	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	
AN/SSQ-57 (SP)	4,572	360.27	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	
*Sonobuoy Launch Container										
D. REMARKS										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21														DATE February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY														Weapon System Passive Non-Beam Forming					P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #402600															
						Production Rate			Procurement Leadtimes																									
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																				
AN/SSQ-53	HERMES, CANADA*					0.25	12	12						K																				
	SPARTON, FL					0.25	12	12		3	12		15	K																				
	USSI, IN					0.25	12	12		3	12		15	K																				
AN/SSQ-57	SPARTON, FL					0.25	12	12		3	12		15	K																				
	USSI, IN					0.25	12	12		3	12		15	K																				
ITEM / MANUFACTURER						FISCAL YEAR 2002														FISCAL YEAR 2003														BAL
						2001			CALENDAR YEAR 2002											CALENDAR YEAR 2003														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
AN/SSQ-53 - NOT SELECTED (K)						00		46.8	35.5	11.3	4.5	4.0	2.8														0							
AN/SSQ-57 - NOT SELECTED (K)						00		4.6	3.4	1.2	0.4	0.4	0.4														0							
ITEM / MANUFACTURER						FISCAL YEAR 2004														FISCAL YEAR 2005														BAL
						2003			CALENDAR YEAR 2004											CALENDAR YEAR 2005														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Remarks:																																		

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BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 2000																		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-57 (SP) PEO (A) PROGRAM NARM #403000																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			0	886																								
COST (In Millions)	\$57.9	A	\$0.5	\$2.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>The AN/SSQ-57 (SP) is a special purpose calibrated passive sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) sonobuoy), and the level of ambient noise.</p> <p>The FY98 program provides for an analysis of the changes required to meet Congressional direction to modify AN/SSQ-57 sonobuoys to meet changing threat acoustic signatures.</p> <p>The FY 99 contracts include a \$2M ECP and were awarded to Sparton and Undersea Sensor Systems Incorporated, (USSI) (886) for a total quantity of 886.</p> <p>In FY00 the SSQ-57 was combined into a new budget line - 402600 Passive Sonobuoys (Non-Beamforming). Beginning in FY01 the SSQ-57 is budgeted under NARM 404800 Sonobuoys, All Types.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">FY98</td> <td style="width: 10%;">FY99</td> <td style="width: 10%;">FY00</td> <td style="width: 10%;">FY01</td> <td style="width: 10%;">FY02</td> <td style="width: 10%;">FY03</td> <td style="width: 10%;">FY04</td> <td style="width: 10%;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	0	0	0	0	0	0	0
FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	0	0	0	0	0	0	0																					

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-57 (SP) SONOBUOY		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A.3. - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #403000				SUBHEAD U3QS	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99 AN/SSQ-57 *	886	\$376.84	NSWC CRANE	10/98	C/FFP	USSI, IN	1/99	11/00	YES	
D. REMARKS * The P-5A exhibit depicts only hardware quantities and unit costs. In addition to hardware, total costs include \$2M for ECP.										

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE		FEBRUARY 2000																			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY B.A. - 3										Weapon System AN/SSQ-57 (SP) SONOBUOY						P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #403000															
						Production Rate			Procurement Leadtimes																						
Item		Manufacturer's Name and Location				MSR	1-8-5	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure													
AN/SSQ-57		USSI, IN				0.3	12	12			3		* 12				15	K													
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998										FISCAL YEAR 1999										B A L				
							1997			CALENDAR YEAR 1998										CALENDAR YEAR 1999											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
*AN/SSQ-57 - USSI (K)		99		0.9	0.0	0.9																A									0.9
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000										FISCAL YEAR 2001										B A L				
							1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
*AN/SSQ-57 - USSI (K)		99		0.9	0.0	0.9														0.4		0.5									0.0
Remarks: * Date of first delivery Nov 2000 due to ECP.																															

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-62 (DICASS) SONOBUOY PEO(A) PROGRAM NARM: #403200 SUBHEAD: U3QF																					
Program Element for Code B Items: B.A. 3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			24,461	23,647	15,453																							
COST (In Millions)	\$527.2		\$27.9	\$24.3	\$16.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.</p> <p>The FY98 contract has been awarded to Raytheon (21,461) and Sparton (3,000) for a total quantity of 24,461.</p> <p>The FY99 contract has been awarded to USSI (12,581) and Sparton (11,066) for a total quantity of 23,647.</p> <p>The FY00 program provides for 15,453 sonobuoys to be competed among qualified manufacturers.</p> <p>Beginning in FY01 the AN/SSQ-62 is combined into a new budget line - 404800 Sonobuoys, All Types.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">FY98</td> <td style="text-align: right;">FY99</td> <td style="text-align: right;">FY00</td> <td style="text-align: right;">FY01</td> <td style="text-align: right;">FY02</td> <td style="text-align: right;">FY03</td> <td style="text-align: right;">FY04</td> <td style="text-align: right;">FY05</td> </tr> <tr> <td style="text-align: right;">711</td> <td style="text-align: right;">1002</td> <td style="text-align: right;">1129</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </table>													FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	711	1002	1129	-	-	-	-	-
FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
711	1002	1129	-	-	-	-	-																					

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System AN/SSQ-62 (DICASS) SONOBUOY						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT						ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #403200 SUBHEAD U3QF							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QF001	AN/SSQ-62 w/ SLC*	A	462,615	24,461	\$983.06	** *** **** 25,862	23,647	\$911.51	21,637	15,453	\$955.93	14,772			
QF830	PRODUCTION ENGINEERING		26,462			1,205			1,251			886			
QF860	ACCEPTANCE TEST		30,868			793			1,427			960			
	ECP		7,240												
* SONOBUOY LAUNCH CONTAINER															
** The FY98 & FY99 programs include funding for silver.															
*** In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.															
**** FY98 program includes \$1.8M for costs associated with transition to Thermal Battery.															
			\$527,185			27,860			24,315			16,618			0

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-62 (DICASS) SONOBUOY		A. DATE FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM				SUBHEAD U3QF	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY94 AN/SSQ-62D w/SLC	13,296	\$938.69	NSWC CRANE	6/95	C/FFP	SPARTON, FL	8/96	5/97	YES	
FY96 AN/SSQ-62D w/SLC	1,446	\$1,364.30	NSWC CRANE	10/95	C/FFP	SPARTON, FL	4/96	3/98	YES	
FY97 AN/SSQ-62D w/SLC	19,183	\$873.60	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	5/98	YES	
AN/SSQ-62D w/SLC	3,593	\$1,135.21	NSWC CRANE	10/96	C/FFP	RAYTHEON, IN	4/97	*5/99	YES	
The FY97 program includes \$8.1M for an AN/SSQ-62E ECP.										
FY98 AN/SSQ-62E w/SLC	21,461	\$918.06	NSWC CRANE	10/97	C/FFP	RAYTHEON, IN	2/98	* 11/99	YES	
	3,000	\$1,448.06	NSWC CRANE	10/97	C/FFP	SPARTON, FL	2/98	* 10/99	YES	
The FY98 program includes \$1.8M for costs associated with transition to Thermal Battery										
FY99 AN/SSQ-62E w/SLC	11,066	\$907.41	NSWC CRANE	10/98	C/FFP	SPARTON, FL	1/99	1/00	YES	
AN/SSQ-62E w/SLC	12,581	\$914.63	NSWC CRANE	10/98	C/FFP	USSI, IN	1/99	1/00	YES	
FY00 AN/SSQ-62E w/SLC	15,453	\$955.93	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	
D. REMARKS										
In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.										
The P-5A exhibit depicts only hardware quantities and unit costs.										
* Due to complexity of FY97 ECP, contractual date of first delivery was modified. FY98 deliveries pending FY 97 qualification completion.										

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FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21										DATE FEBRUARY 2000	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY					Weapon System AN/SSQ-62 (DICASS)					P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #403200	
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
AN/SSQ-62	USSI, IN	0.25	2.6	8.0*		3	*** 12		15	K	
	SPARTON, FL	0.25	8.0	8.0*		3	*** 12		15	K	
(Effective 18 December 1998, Raytheon's Sonobuoy Division was purchased by Undersea Sensor Systems Incorporated, IN)											

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/SSQ-62 - SPARTON (K)	94		13.3	8.2	5.1		1.7	1.6	1.1	0.7														
AN/SSQ-62 - SPARTON (K)	96		1.4	0.0	1.4					1.4																	0.0			
AN/SSQ-62 - SPARTON (K)	97		19.2	0.0	19.2							3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2						0.0			
RAYTHEON (K) **	97		3.6	0.0	3.6																	1.0		1.3	1.3		0.0			
AN/SSQ-62 - SPARTON (K) **	98		3.0	0.0	3.0				A																		3.0			
AN/SSQ-62 - RAYTHEON (K) **	98		21.5	0.0	21.5				A																		21.5			
AN/SSQ-62 - SPARTON (K)	99		11.1	0.0	11.1													A									11.1			
AN/SSQ-62 - USSI (K)	99		12.6	0.0	12.6													A									12.6			
The FY 97 program includes 7.2M for an AN/SSQ-62E ECP																														

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/SSQ-62 - SPARTON (K) **	98		3.0	0.0	3.0	0.9	0	0.9	1.2															
AN/SSQ-62 - RAYTHEON (K) **	98		21.5	0.0	21.5		0.4	0.4	0.8	1.7	1.7	2.0	2.4	2.4	3.4	3.4	2.9											0.0		
AN/SSQ-62 - SPARTON (K)	99		11.1	0.0	11.1				0.5	0.5	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.7	1.6	1.6								0.0		
AN/SSQ-62 - USSI (K)	99		12.6	0.0	12.6				1.0	1.0	1.5	0.6	0.6	0.7	0.8	0.8	0.9	1.5	1.6	1.6										
AN/SSQ-62 - NOT SELECTED (K)	00		15.5	0.0	15.5				A												1.0	1.3	1.3	1.3	1.3	1.6	1.6	1.6	4.5	

Remarks: The FY97 program includes \$7.2M for an AN/SSQ-62E ECP
 * IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 30%-50%. ** Due to complexity of FY 97 ECP, contractual date of first delivery was modified. FY98 deliveries pending FY97 qualification completion.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21														DATE February 2000													
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY														Weapon System AN/SSQ-62 (DICASS)				P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #403200									
						Production Rate			Procurement Leadtimes																		
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
AN/SSQ-62	USSI, IN					0.25	2.6	8.0*		3	12		15	K													
	SPARTON, FL					0.25	8.0	8.0*		3	12		15	K													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/SSQ-62 - NOT SELECTED (K)	00		15.5	11.0	4.5	1.5	1.5	1.5																			0.0			

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Remarks:

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-101 (ADAR) PEO (A) PROGRAM NARM #403600					
Program Element for Code B Items: Transitioned from R&D PROGRAM ELEMENT 0604261N in FY 99							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			0	1,790	2,514							
COST (In Millions)	\$0		\$0.0	\$19.4	\$16.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
<p>The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.</p> <p>The FY99 contract has been awarded to Erapsco for a total quantity of 1,790.</p> <p>The FY00 program provides for 2,514 AN/SSQ-101's to be awarded to Erapsco.</p> <p>Beginning in FY01 the AN/SSQ-101 budget line is combined into a new budget line -- 404800, Sonobuoys, All Types</p> <p>THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.</p>												

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System AN/SSQ-101 (ADAR) SONOBUOY						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT						ID Code P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #403600 SUBHEAD U3QT									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998		FY 1999			FY 2000			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QT001	AN/SSQ-101 w/SLC*	B					1,790	8,000.00	17,562	2,514	6,258.48	15,734			
QT830	PRODUCTION ENGINEERING								842			473			
QT860	ACCEPTANCE TESTING								958			473			
	* SONOBUOY LAUNCH CONTAINER														
	** The FY99 program includes funding for silver. In addition to hardware, total costs include \$3M for redesign to address obsolescent parts.														
			0			0			19,362			16,680			

DD FORM 2446, JUN 86

P-1 SHOPPING LIST
ITEM NO. 122

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-101 (ADAR) SONOBUOY		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 403600				SUBHEAD U3QT	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 99 AN/SSQ-101 Total hardware costs include \$3M for redesign to address obsolescent parts	1,790	\$8,000.00	NSWC CRANE	10/98	SS/FFPI	ERAPSCO, IN	4/99	12/00	YES	
FY 00 AN/SSQ-101	2,514	\$6,258.48	NSWC CRANE	10/99	SS/FFP	ERAPSCO, IN	3/00	3/01	YES	
D. REMARKS										

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
 311 / 244 ITEM NO 122 PAGE 4 Exhibit P-21 Production Schedule

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000																					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE SIGNAL, UNDERWATER SOUND (SUS) PEO(A) PROGRAM NARM#404500																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY	4,164		0	5,669	0																							
COST (In Millions)	\$23.8		\$0.1	\$1.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The MK84 SUS is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK84 SUS device is used for training and exercise signaling to submarines.</p> <p>The FY99 contract has been awarded to Sparton for a total quantity of 5,669.</p> <p>In FY00 the SUS budget line is combined under NARM 405000 Miscellaneous Sonobuoys Less Than \$5M. Beginning in FY01 the SUS budget line will be combined under NARM 404800, Sonobuoys, All Types</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY99</td> <td style="text-align: center;">FY00</td> <td style="text-align: center;">FY01</td> <td style="text-align: center;">FY02</td> <td style="text-align: center;">FY03</td> <td style="text-align: center;">FY04</td> <td style="text-align: center;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	0	0	0	0	0	0	0
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	0	0	0	0	0	0	0																					

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System SIGNAL UNDERWATER SOUND (SUS) MK 84						DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT						ID Code			P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #404500 SUBHEAD U3QH							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998		FY 1999			FY 2000							
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
QH003	<u>SUS MK 84</u>	A	20,357				5,669	195.39	1,122	*						
QH830	PRODUCTION ENGINEERING		1,728			109			194							
QH860	ACCEPTANCE TESTING		1,732						82							
* The FY99 program includes funding for silver.																
			23,817			109			1,398							

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System SUS MK 84		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 404500				SUBHEAD U3QH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *										
QH003-SUS MK84	4,164	\$198.20	NSWC CRANE	8/96	C/FFP	SPARTON, FL	3/97	10/97	YES	
FY99										
QH003 - SUS MK84	5,669	\$195.39	NSWC CRANE	10/98	C/FFP	SPARTON, FL	1/99	1/00	YES	
D. REMARKS										
<p>* In addition to the hardware costs, total costs include \$131K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages. The P-5A exhibit depicts only hardware quantities and unit costs.</p>										

DD Form 2445, JUL 87	Previous editions are obsolete	P-1 SHOPPING LIST		
311 / 244		ITEM NO 123	PAGE 4	Exhibit P-21 Production Schedule

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE Sonobuoys, All Types PEO(A) PROGRAM NARM#404800					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			0	0	0	63,200	74,785	80,380	76,578	63,893		
COST (In Millions)		A	\$0.0	\$0.0	\$0.0	\$49.5	\$59.0	\$64.3	\$65.2	\$65.8	CONTINUING	
<p>Beginning in FY01 the Sonobuoy Budget lines are consolidated into one line -- Sonobuoys, All Types, NARM 404800.</p> <p>The AN/SSQ-36 is an air-dropped bathythermograph transmitting set used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Prior to FY00 the AN/SSQ-36 was budgeted under NARM 400500. In FY00 the AN/SSQ-36 is budgeted under NARM 405000, Miscellaneous Sonobuoys, Less than \$5M.</p> <p>The AN/SSQ-53 (DIFAR) is a directional sonobuoy which provides acoustic target localization. Prior to FY00 the AN/SSQ-53 was budgeted under NARM 402500. In FY00 the AN/SSQ-53 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming.</p> <p>The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise. Prior to FY00 the AN/SSQ-57 was budgeted under NARM 403000. In FY00 the AN/SSQ-57 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming.</p> <p>The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy. Prior to FY01 the AN/SSQ-62 was budgeted under NARM 403200.</p> <p>The AN/SSQ-77 is a vertical line array directional Sonobuoy. It employs beamforming technology for use with the EER sensor system; and under specific water conditions increases passive performance. Prior to FY01 the AN/SSQ-77 is budgeted under NARM 403400.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE Sonobuoys, All Types PEO(A) PROGRAM NARM #404800																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			0	0	0	63,200	74,785	80,380	76,578	63,893																		
COST (In Millions)		A	\$0.0	\$0.0	\$0.0	\$49.5	\$59.0	\$64.3	\$65.2	\$65.8	CONTINUING																	
<p>The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver. Prior to FY01 the AN/SSQ-101 is budgeted under NARM 403600.</p> <p>The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search. Prior to FY01 the AN/SSQ-110 is budgeted under NARM 403800.</p> <p>Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. Prior to FY00 the SUS was budgeted under NARM 404500. In FY00 the SUS was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than \$5M.</p> <p>The Hydrostatic Sensor Fuze is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons. Prior to FY00 Hydrostatic Fuze was budgeted under NARM 404400. In FY00 the Hydrostatic Fuze was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than \$5M.</p> <p>The FY01 program provides for 6,441 AN/SSQ-36's, 23,725 AN/SSQ-53's, 3,958 AN/SSQ-57's, 18,337 AN/SSQ-62's, 4,136 AN/SSQ-77's, and 5,123 SUS for a total of 61,720 to be competed among qualified manufacturers. The FY01 program provides for 1,480 AN/SSQ-101's to be awarded to ERAPSCO. Total projected FY01 procurement quantity is 63,200.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY99</td> <td style="text-align: center;">FY00</td> <td style="text-align: center;">FY01</td> <td style="text-align: center;">FY02</td> <td style="text-align: center;">FY03</td> <td style="text-align: center;">FY04</td> <td style="text-align: center;">FY05</td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">3,637</td> <td style="text-align: center;">3,404</td> <td style="text-align: center;">3,012</td> <td style="text-align: center;">3,077</td> <td style="text-align: center;">3,139</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	-	-	-	3,637	3,404	3,012	3,077	3,139
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
-	-	-	3,637	3,404	3,012	3,077	3,139																					

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WEAPONS SYSTEM COST ANALYSIS						Weapon System						DATE:			
P-5						Sonobuoys, All Types						February 2000			
APPROPRIATION/BUDGET ACTIVITY						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD								
Other Procurement, Navy							PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ								
B.A. 3 - AVIATION SUPPORT EQUIPMENT															
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	HARDWARE	A											63,200		44,634
QZ001	AN/SSQ-36					0			0			0	6,441	248.41	1,600
QZ002	AN/SSQ-53					0			0			0	23,725	384.57	9,124
QZ003	AN/SSQ-57					0			0			0	3,958	384.57	1,522
QZ004	AN/SSQ-62					0			0			0	18,337	938.58	17,211
QZ005	AN/SSQ-77 w/SLC*					0			0			0	4,136	798.06	3,301
	Start-up Non-recurring costs					0			0			0			1,000
QZ006	AN/SSQ-101 w/SLC*					0			0			0	1,480	6,650.00	9,842
QZ008	SUS MK 84					0			0			0	5,123	201.90	1,034
QZ009	Hydrostatic Fuse					0			0			0			0
	PRODUCTION ENGINEERING														2,330
QZ831	AN/SSQ-36					0			0			0			96
QZ832	AN/SSQ-53					0			0			0			548
QZ833	AN/SSQ-57					0			0			0			91
QZ834	AN/SSQ-62					0			0			0			1,031
QZ835	AN/SSQ-77					0			0			0			197
QZ836	AN/SSQ-101					0			0			0			296
QZ838	SUS MK 84					0			0			0			71
QZ839	Hydrostatic Fuse					0			0			0			0
	* Sonobuoy Launch Container														
						0			0			0			

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System Sonobuoys, All Types								DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QZ861	ACCEPTANCE TESTING														2,502
QZ862	AN/SSQ-36					0			0			0			104
QZ863	AN/SSQ-53					0			0			0			593
QZ864	AN/SSQ-57					0			0			0			99
QZ864	AN/SSQ-62					0			0			0			1,118
QZ865	AN/SSQ-77					0			0			0			215
QZ866	AN/SSQ-101					0			0			0			296
QZ868	SUS MK84					0			0			0			77
QZ869	Hydrostatic Fuze					0			0			0			0
	Subtotals by Buoy Type														
	AN/SSQ-36														1,800
	AN/SSQ-53														10,265
	AN/SSQ-57														1,712
	AN/SSQ-62														19,360
	AN/SSQ-77														4,713
	AN/SSQ-101														10,434
	SUS MK84														1,182
	Hydrostatic Fuze														0
						0			0			0			49,466

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P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Sonobuoys, All Types		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #404800				SUBHEAD U3QZ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY01										
AN/SSQ-36 w/SLC*	6,441	\$248.41	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
AN/SSQ-53 w/SLC*	23,725	\$384.57	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
AN/SSQ-57 (SP)	3,958	\$384.57	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
AN/SSQ-62E w/SLC*	18,337	\$938.58	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
AN/SSQ-77	4,136	\$798.06	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
AN/SSQ-101	1,480	\$6,650.00	NSWC CRANE	10/00	SS/FFP	ERAPSCO, IN	1/01	1/02	YES	
SUS MK 84	5,123	\$201.90	NSWC CRANE	10/00	C/FFP	NOT SELECTED	1/01	1/02	YES	
* Sonobuoy Launch Container										
D. REMARKS										

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
 311 / 244 ITEM NO 124 PAGE 7 Exhibit P-21 Production Schedule

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000																					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE Miscellaneous Sonobuoys Less Than \$5M PEO(A) PROGRAM NARM#405000																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			0	0	8,070																							
COST (In Millions)		A	\$0.0	\$0.0	\$2.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>Miscellaneous Sonobuoys Less than \$5M provide unique functions including measuring ocean temperatures (AN/SSQ-36), Signal Underwater Sound (SUS) and Hydrostatic Sensor Fuses. The AN/SSQ-36 is an air-dropped bathythermograph transmitting set used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. The Hydrostatic Sensor Fuze is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons.</p> <p>Prior to FY00 the AN/SSQ-36, SUS, and Hydrostatic Fuze were budgeted under NARMs 400500, 404500 and 404400, respectively.</p> <p>The FY00 program provides for 8,070 AN/SSQ-36 sonobuoys to be competed among qualified manufacturers.</p> <p>Beginning in FY01 the AN/SSQ-36, SUS, and Hydrostatic Fuze are combined into a new budget line -- 404800 Sonobuoys, All Types.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">FY 98</td> <td style="text-align: right;">FY99</td> <td style="text-align: right;">FY00</td> <td style="text-align: right;">FY01</td> <td style="text-align: right;">FY02</td> <td style="text-align: right;">FY03</td> <td style="text-align: right;">FY04</td> <td style="text-align: right;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">52</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	0	52	0	0	0	0	0
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	0	52	0	0	0	0	0																					

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System Misc Sonobuoys Less Than \$5M							DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #405000 SUBHEAD U3QV									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
QV001	HARDWARE AN/SSQ-36 SUS MK 84 Hydrostatic Fuse	A				0 0 0				0 0 0	8,070	241.51	1,949 1,949 0 0			
QV830	PRODUCTION ENGINEERING AN/SSQ-36 SUS MK 84 Hydrostatic Fuse					0 0 0				0 0 0			147 77 70 0			
QV860	ACCEPTANCE TESTING AN/SSQ-36 SUS MK84 Hydrostatic Fuze					0 0 0				0 0 0			85 85 0 0			
						0				0			2,181			

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO.

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CLASSIFICATION:

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Misc Sonobuoys Less Than \$5M		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #405000				SUBHEAD U3QV	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY00 AN/SSQ-36 w/SLC	8,070	241.51	NSWC CRANE	10/99	C/FFP	NOT SELECTED	2/00	2/01	YES	
D. REMARKS										

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
 311 / 244 ITEM NO 125 PAGE 4 Exhibit P-21 Production Schedule

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST Exhibit P-21 Production Schedule

311 / 244 ITEM NO 125 PAGE 5

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p>This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), Southern California (SOCAL) Communications Upgrade, Large Area Tracking Range (LATR), Joint Tactical Combat Training System (JTCTS), Under Water Training Ranges (SWTR), Mobile Remote Emitter System (MRES), and generic systems such as range computer systems, simulation, and surveillance systems. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control, systems, and other specialized equipment.</p> <p>Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and measure reliability and accuracy of operational weapon systems.</p> <p><u>SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):</u> The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Funding for installation of minor equipment is required in all years for all ranges.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p><u>TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):</u></p> <p>The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. The Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.</p> <p>The FY 1999-2000 program will provide a significant upgrade to the Oceana TACTS Master Station at Bodie Island. This is required due to its age and outdated structural standards. Dangerous conditions prohibit the addition of new radio equipment or microwave dishes to support program requirements. Specifically, the LATR and Littoral Warfare Training Center (LWTC) communications needs cannot be served with the state of the existing tower. An upgraded tower will be integrated into a previously established government datalink and will directly support the LWTC communications bandwidth requirements.</p> <p><u>SHALLOW WATER TRAINING RANGES (SWTR):</u></p> <p>Existing underwater ranges are situated in deep water and cannot provide training in Anti-Submarine Warfare (ASW) tactics employed in shallow coastal waters. The Operational Requirements Document (ORD) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8. Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. The Shallow Water Ranges will cover five hundred nautical miles and will be located on the East and West Coast. Each range will be built in four phases and will be operational at the completion of each phase. All phases will be completed BY FY2010.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p><u>UNDERWATER ACOUSTIC TELEMETRY MODEM (UATM)</u> Shallow water ranges will have the capability to transmit acoustic telemetry data. Submarines will need to have UATMs on board to receive and process the data. UATMs are a necessary system component to allow for simulation/stimulation capability. The FY 2001 program funds the procurement of 10 UATMs.</p> <p><u>GULF OF MEXICO (GOMEX) MINE WARFARE (MIW) RANGE</u> This project procures a portable Mine Warfare (MIW) training system to be used in conjunction with the existing Versatile Exercise Mine System (VEMS) in the Gulf of Mexico (GOMEX). The portable MIW training system will enable status information from the VEMS to be relayed in real time to participants engaged in MIW training exercises. This will provide exercise participants with real time feedback on the effectiveness of their MIW tactics.</p> <p><u>LATR UPGRADE AT SCORE</u> During the testing of the LATR system at Southern California Offshore Range (SCORE), the Radio Frequency Interference (RFI) was so great that LATR was unable to establish and maintain the links required to transmit data. This made LATR inoperable at SCORE. FY-99 funding has been provided for a three phased approach which will convert the SCORE instrumentation to a new frequency which has been demonstrated to rectify the problem. Phase one to change the frequency of instrumentation is completed. Phase two to procure the additional instrumentation to permit SCORE to provide an initial operational capability is complete. The phase three contract, converting all remaining instrumentation at SCORE to the new frequency, is near completion. Final delivery will occur in second quarter FY2000.</p> <p><u>LATR INTEGRATION FACILITY</u> The existing Software Support Activity (SSA) Facility cannot fully support the development and testing for LATR. FY2001 and FY2002 funding will make the current SSA an integration facility that can function as an operational LATR site capable of developing and testing system changes and upgrading hardware and software to support the PMRF Aircraft Combat Manuverability (ACM).</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p><u>RANGELESS AIR COMBAT TRAINING SYSTEM</u> A Congressional increase of \$5.0 million was provided to conduct a technical evaluation, using actual equipment, to compare the capabilities, performance, and costs of an integrated LATR/Kadena Interim Training System (KITS) to JTCTS. To satisfy congressional intent, the Navy and Air Force jointly released a Broad Agency Announcement to solicit alternative systems concepts from industry for evaluation. Three million dollars of the Congressional increase was reprogrammed to the RDT&E appropriation and was obligated on contract to conduct the evaluation. Based on the results of the evaluation the remaining \$2.0 million will be used to procure JTCTS hardware.</p> <p><u>JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)</u> The Joint Tactical Combat Training System (JTCTS) will procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. JTCTS is building on technology developed for existing tactical training range systems.</p> <p><u>LOW ALTITUDE SURVEILLANCE RADAR (LASR)</u> Due to the low elevation of the San Clemente radar on Mt. Thirst and the terrain between Mt. Thirst and the water, blind spots exist in the low level and surface radar coverage of the ASW and Range Electronic Warfare Simulator (REWS) range areas. It is in these low level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon to Mt. Thirst and from the surface to 5,000 feet. FY2000 will fund the procurement of one (1) low level surveillance radar to cover existing blind spots at San Clemente.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p><u>MOBILE REMOTE EMITTER SYSTEM (MRES)</u> The Mobile Remote Emitter System (MRES) is a high power Electronic Warfare simulator system capable of illuminating aircraft, ships, and various other signal collection platforms, with emitters from 2 to 18 GHz. The system will also be capable of receiving active Electronic Countermeasures (ECM) transmissions from 500MHz to 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the Tactical Aircrew Combat Training System (TACTS) and/or video and Identification Friend or Foe (IFF) tracking modes for position pointing sources.</p> <p>The MRES system will be capable of generating threat scenarios to support non-instrumented test and training sites and also support Navy and Joint exercises. The MRES will be a ruggedized, highly reliable and maintainable system. It will consist of off-the-shelf components incorporating minor modifications as necessary to meet unique mission support areas. It will have a VHF/UHF communications system to provide voice and data exchange with the test platform or exercise coordinator and Range Control facility. The FY 1998 funding procured one MRES system. Funding provided in FY99 is for one MRES variant and integration into PMRF. FY00 Congressional increase of \$6.0 million will be utilized for a second MRES for PMRF.</p> <p><u>INTEGRATED TARGET CONTROL SYSTEM (ITCS) UPGRADE</u> Integrated Target Control System (ITCS) Upgrade is a drone control system designed to perform command, control, tracking and telemetry functions of target vehicles. This system can control targets out to a range of 250 nautical miles (line-of-sight), at an altitude of 100,000 feet. Telemetry of the system provides tracking, control, position display and performance-monitoring of targets. The FY 2001 program will provide a quantity of one system.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE LI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$924.6		\$22.9	\$23.0	\$15.1	\$36.3	\$34.6	\$25.9	\$26.4	Cont.	Cont.
<p><u>FALLON COMMUNICATION UPGRADE</u></p> <p>The Fallon training range employs a complex communications network consisting of a diverse configuration of radios, telephones, and other audio communications channels required to effectively and safely monitor and control all range activities. These channels are accessed and controlled at the Range Operations Center (ROC) operator stations by using a commercial communications switching system. The existing switching system does not provide the required channels or number of control consoles to support the existing range requirements. Because the current system is no longer in production, it is not possible to upgrade the system to meet these requirements. In addition, spare and vendor support is no longer available. The FY2001 program will provide a state-of-the-art, supportable, commercial communications system that will allow range personnel to access and use all range radio and telephone communications assets.</p> <p><u>PACIFIC MISSILE RANGE FACILITY (PMRF) UPGRADES</u></p> <p>Congressional increases of \$10.0 million in FY99 and \$5.0 million in FY00 have been provided for training range instrumentation upgrades to the PMRF.</p>											

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment				P-1 ITEM NOMENCLATURE WEAPON RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
TACTS											
TACTS CONTROL AND COMPUTATIONAL SUBSYSTEM											
QUANTITY		4									4
COST (In Thousands)		1,250									1,250
BODIE ISLAND UPGRADE/LWTC DATALINK											
QUANTITY			2	1							3
COST (In Thousands)			642	385							1,027
SWTR (EC)											
QUANTITY		1-PHASE 1					1-PHASE 2		1-PHASE 3		CONT.
COST (In Thousands)		12,464					20,753		11,105	CONT	CONT
SWTR (WC)											
QUANTITY						1-PHASE 1		1-PHASE 2			CONT.
COST (In Thousands)						20,972		11,324	1,334	CONT	CONT
UNDERWATER ACOUSTIC TELEMETRY MODEM											
QUANTITY					10						10
COST (In Thousands)					2,665						2,665
GOMEX MIW RANGE											
QUANTITY					1						1
COST (In Thousands)					1,225						1,225
LATR SYSTEM											
LATR UPGRADE SCORE											
QUANTITY			47								47
COST (In Thousands)			800								800
LATR ACM RETROFIT											
QUANTITY		1									1
COST (In Thousands)		4,226									4,226
LATR INTEGRATION FACILITY											
QUANTITY					1	1					2
COST (In Thousands)					200	200					400
LASR SCORE											
QUANTITY				1							1
COST (In Thousands)				1,650							1,650
TELEMETRY											
QUANTITY											
COST (In Thousands)		15,024									15,024

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a						DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment				P-1 ITEM NOMENCLATURE WEAPON RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
COMM UPGRADE											
QUANTITY											
COST (In Thousands)		787									787
FALLON COMM UPGRADE											
QUANTITY					1						1
COST (In Thousands)					565						565
ITCS UPGRADE											
QUANTITY					1		1				2
COST (In Thousands)					500		300				800
SRAM											
QUANTITY											
COST (In Thousands)		48,006	3,176	2,991	4,255	4,894	5,400	4,464	4,846	CONT	CONT
JTCTS*											
Mobile Core/2 Debrief											
QUANTITY					1	2					
COST (In Thousands)					1,558	3,115				CONT	CONT
Fixed Core/2 Debrief											
QUANTITY							1	1	1		
COST							1,988	1,880	2,365	CONT	CONT
Ship PIP											
QUANTITY						2	2	8		CONT	CONT
COST						735	477	1570			
RANGELESS AIR COMBAT TRNG SYSTEM											
Mobile Core/2 Debrief											
QUANTITY			1								1
COST (In Thousands)			2000								2,000
MRES											
QUANTITY		1	1	1							3
COST (In Thousands)		4867	2,208	5200							12,275
AFWTF REPLACEMENT RADAR											
QUANTITY						1					1
COSTS (In Thousands)						2,800					2,800
PMRF UPGRADES											
QUANTITY			N/A	N/A							N/A
COSTS (In Thousands)			10,000	5,000							15,000
OTHER COSTS		837,972	4,025	7,811	4,157	3,629	5,687	6,644	6,798	CONT	CONT
TOTAL FUNDING		924,596	22,851	23,037	15,125	36,345	34,605	25,882	26,448	CONT	CONT

*FY02: 2 Mobile core w/2 debrief and 2 track-only Ship Participant Instrumentation Packages (PIPs)

FY03: 1 Fixed core w/2 debrief and 2 track-only ship PIPs

FY04: 1 Fixed core w/2 debrief and 8 track-only ship PIPs\

FY05: 1 Fixed core w/11 debrief

WEAPONS SYSTEM COST ANALYSIS P-5				WEAPONS SYSTEM							DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment					P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT							
COST CODE	ELEMENT OF COST	ID Code										
			Prior Years	FY 1999			FY 2000			FY2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC002	AIRCREW EW TRAINING RANGES	N/A										
	MRES		4,867	1	2,208	2,208	1	5,200	5,200			
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)		48,006		N/A	3,176		N/A	2,991		N/A	4,255
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)											
	TACTS Control & Computational Subsystem (CCS)		1,250									
	BODIE ISLAND UPGRADE/LWTC DATALINK			2	321	642	1	385	385			
SC012	SWTR											
	SWTR (EC)		12,464									
	SWTR (WC)											
	UATM									10	267	2,665
	GOMEX MIW RANGE									1	1,225	1,225
SC018	COMM UPGRADE	787										
	FALLON COMM UPGRADE								1	565	565	
	ITCS UPGRADE								1	500	500	

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				WEAPONS SYSTEM						DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT							
COST CODE	ELEMENT OF COST	ID Code										
			Prior Years	FY 1999			FY2000			FY2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC020	JTCTS RANGLESS AIR COMBAT TRNG SYS	N/A		1	N/A	2,000				1	N/A	1,558
SC021	LASR SCORE	N/A					1	1,650	1,650			
SC034	LATR SYSTEM LATR ACM RETROFIT		4,226									
	LATR UPGRADE SCORE	N/A		47	17	800						
	LATR INTEGRATION FACILITY	N/A								1	200	200
SC601	TELEMETRY	N/A	15,024									
SC700	PMRF UPGRADES	N/A		N/A	N/A	10,000	N/A	N/A	5,000			
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	76,034	N/A		3,319	N/A		2,189	N/A		2,915
SC860	ACCEPTANCE TEST & EVALUATION	N/A	6,909	N/A		92	N/A		90	N/A		124
SC971	ILS, OTHER RANGES	N/A	32,138	N/A		339	N/A		212	N/A		390
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	9,053	N/A		275	N/A		5,320	N/A		728
	VARIOUS 1/		713,838									
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond.												
			924,596			22,851			23,037			15,125

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE	
<u>SC002 AIRCREW EW TRAINING RANGES</u>											
MRES	1998	1	4,867	NAVAIR	8/98	FFP	AMHERST	03/99	11/00	YES	N/A
	1999	1	2,208	NAVAIR	N/A	FFP/OPTION	AMHERST	08/99	05/01	YES	N/A
	2000	1	5,200	NAVAIR	N/A	FFP/OPTION	AMHERST	05/00	03/02	YES	N/A
<u>SC004 SYS REPL & MOD</u>											
	1998	N/A	2,033	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/98	YES	N/A
	1999	N/A	3,176	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/99	YES	N/A
	2000	N/A	2,991	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/00	YES	N/A
	2001	N/A	4,255	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/01	YES	N/A
<u>SC007 TACTS</u>											
TACTS CCS	1997	4	312.5	NAWCWD CHINA LAKE	N/A	PX	NAWCWD CHINA LAKE	01/97	10/99	YES	N/A
BODIE ISLAND UPG/LWTC	1999	2	321	NAVAIR	01/99	FFP	TBD	02/00	01/01	YES	N/A
DATALINK	2000	1	385	NAVAIR	N/A	FFP/OPTION	TBD	02/00	04/01	YES	N/A
D. REMARKS											
*SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 30 APRIL of current FY.											

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) AVIATION SUPPORT EQUIPMENT						Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE	
<u>SC012 SWTR</u>											
EAST COAST	1997	1	12,464	NAVAIR	2/14/97	CPIFAF	SAIC/MARI PRO	09/97	09/00	YES	N/A
UATM	2001	10	267	NUWC	9/00	CPFF	TBD	04/01	06/02	NO	09/00
GOMEX MIW RANGE	2001	1	1,225	NUWC	N/A	PX	NUWC	11/00	06/02	N/A	
<u>SC018 FALLON COMM UPGRADE</u>	2001	1	565	SPAWARSYSCEN	12/00	FFP	TBD	04/01	12/01	YES	N/A
<u>SC018 ITCS UPGRADE</u>	2001	1	500	NAWCWD	N/A	PX	NAWCWD	01/01	01/02	YES	N/A
<u>SC021 LASR SCORE</u>	2000	1	1,650	SPAWAR SYS CEN SAN DIEGO, CA	N/A	PX	SPAWAR SYS CEN SAN DIEGO, CA	02/00	07/00	YES	N/A
<u>SC034 LATR SYSTEM</u>											
LATR UPGRADE SCORE	1999	47	17	NAVAIR	08/98	FFP	L3 COMMUNICATIONS	12/98	9/99	YES	N/A
LATR INTEGRATION FACILITY	2001	1	200	NAWCADPAX	N/A	PX	NAWCADPAX	11/00	05/01	N/A	
<u>SC020 JTCTS</u>											
	2001	1	*1558	NAVAIR	09/00	FFP	RAYTHEON	11/00	06/02	YES	N/A
RANGELESS AIR COMBAT TRNG SYSTEM	1999	1	*2000	NAVAIR	03/00	FFP	RAYTHEON	05/00	12/01	YES	N/A
D. REMARKS * FY99 provides 1 mobile core w/2 debrief; FY01 provides 1 mobile core w/2 debrief .											

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21										DATE February 2000				
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE						
OTHER PROCUREMENT, NAVY/BA-3 Aviation Support Equipment								Weapons Range Support Equipment						
		Production Rate			Procurement Leadtimes									
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
MRES	AMHERST													
BODIE ISLAND UPG/LWTC	TBD													
LATR UPGRADE SCORE	L3 COMMUNICATIONS													
LATR INTEGRATION FAC	NAWCADPAX													
TACTS CCS	NAWCWD CHINA LAKE													
FALLON COMM UPGRADE	TBD													
ITCS UPGRADE	NAWCWD CHINA LAKE													
LASR SCORE	SPAWAR SYS CENTER													
SW RANGE	SAIC/MARI PRO													
UATM	TBD													
GOMEX MIW RANGE	NUWC													
JTCTS	RAYTHEON													
RANGELESS AIR	RAYTHEON													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MRES	98	N	1	0	1																								1	
MRES	99	N	1	0	1																								1	
LATR UPGRADE SCORE	99	N	47	0	47																								40	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MRES	98	N	1	0	1																								0	
MRES	99	N	1	0	1																								0	
MRES	00	N	1	0	1																								1	
BODIE ISLAND UPG/LWTC	99	N	2	0	2																								0	
BODIE ISLAND UPG/LWTC	00	N	1	0	1																								0	
LATR UPGRADE SCORE	99	N	47	7	40	10	10	10	10																				0	
LATR INTEGRATION FACILITY	01	N	1	0	1																								0	
TACTS CCS	97	N	4	0	4	4																							0	
FALLON COM UPGRADE	01	N	1	0	1																								1	
ITCS UPGRADE	01	N	1	0	1																								1	
LASR SCORE	00	N	1	0	1																								0	
SW RANGE - LANT - EAST COAST	97	N	1	0	1																								0	
UATM	01	N	10	0	10																								10	
GOMEX MIW RANGE	01	N	1	0	1																								1	
RANGELESS AIR COMBAT TRNG	99	N	1	0	1																								1	
JTCTS	01	N	1	0	1																								1	

Remarks:

Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC007 TACTS CCS				Admin Leadtime (after Oct1): 4 MONTHS			Prod Leadtime : 32 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary									
Unit Cost									
Total Cost									
Asset Dynamics									
Beginning Asset Position	0	0	0	4	4	4	4	4	
Deliveries from all prior year funding			4						
Deliveries from FY 1999 funding									
Deliveries from FY 2000 funding									
Deliveries from FY 2001 funding									
Deliveries from subsequent years' funding									
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position	0	0	4	4	4	4	4	4	
Inventory Objective or Current Authorized Allowance	4	4	4	4	4	4	4	4	
Inventory Objective 4	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A				
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI				
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:				
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI				
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:				
TOTAL:					Storage:				
Remarks:									

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC002 MRES			Admin Leadtime (after Oct1): 18 MONTHS			Prod Leadtime : 20 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	1	1	1					
Unit Cost	4867	2208	5200					
Total Cost	4867	2208	5200					
Asset Dynamics								
Beginning Asset Position					2	3	3	3
Deliveries from all prior year funding				1				
Deliveries from FY 1999 funding				1				
Deliveries from FY 2000 funding					1			
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	2	3	3	3	3
Inventory Objective or Current Authorized Allowance	3	3	3	3	3	3	3	3
Inventory Objective 3	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A		Aircraft: TOAI: N/A		
Assets Rq Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:		PAA: TAI		
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:		Attrition Res:		
Pipeline:	FY 1996:	FY 1996:	FY 1996:			BAI		
Other:	FY 1995:	FY 1995:	FY 1995:			Inactive Inv:		
TOTAL:						Storage:		
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC007 BODIE ISLAND UPGRADE/LWTC			Admin Leadtime (after Oct1): 17 MONTHS			Prod Leadtime : 11 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		2	1					
Unit Cost		321	385					
Total Cost		642	385					
Asset Dynamics								
Beginning Asset Position			0	0	3	3	3	3
Deliveries from all prior year funding								
Deliveries from FY 1999 funding			0	2				
Deliveries from FY 2000 funding				1				
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		0	0	3	3	3	3	3
Inventory Objective or Current Authorized Allowance		3	3	3	3	3	3	3
Inventory Objective 3	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE SC034 LATR UPGRADE SCORE				Admin Leadtime (after Oct1): 3 MONTHS			Prod Leadtime : 9 MONTHS	
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		47						
Unit Cost		17						
Total Cost		800						
Asset Dynamics								
Beginning Asset Position			7	47	47	47	47	47
Deliveries from all prior year funding								
Deliveries from FY 1999 funding		7	40					
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		7	47	47	47	47	47	47
Inventory Objective or Current Authorized Allowance		47	47	47	47	47	47	47
Inventory Objective 47	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

P-1 SHOPPING LIST

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC012 SHALLOW WATER TRAINING RANGES			Admin Leadtime (after Oct1): 12 MONTHS			Prod Leadtime : 36 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					1-WC PHASE ONE	1-EC PHASE TWO	1-WC PHASE TWO	1-EC PHASE THREE
Unit Cost					20972	20753	11324	11105
Total Cost					20972	20753	11324	11105
Asset Dynamics								
Beginning Asset Position	0	0	0	1	1	1	1	2
Deliveries from all prior year funding			1EC PHASE ONE	0	0	0		
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding				0			1WC PHASE ONE	1EC PHASE TWO
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	1-PHASE	1-PHASE	1-PHASE	1-PHASE	2-PHASES	3-PHASES
Inventory Objective or Current Authorized Allowance	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES
Inventory Objective 2*	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks: * Inventory Objective is 2 as follows: 1. East Coast (EC) 4 phases 2. West Coast (WC) 4 phases Total of 2 Ranges or 8 Phases								

Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE SC020 JTCTS				Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 19 MONTHS	
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary *				1	4	3	9	1
Unit Cost				1558	3850	2465	3450	2365
Total Cost				1558	3850	2465	3450	2365
Asset Dynamics								
Beginning Asset Position				0	0	1	5	8
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding					1			
Deliveries from subsequent years' funding						4	3	9
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				0	1	5	8	17
Inventory Objective or Current Authorized Allowance				67	67	67	67	67
Inventory Objective 67	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks: FY01: 1 mobile core w/2 debrief. FY02: 2 mobile core w/2 debrief and 2 track-only ship Participant Instrumentation Packages (PIPs). FY03: 1 fixed core w/2 debrief and 2 track-only ship PIPs. FY04: 1 fixed core w/2 debrief and 8 track-only ship PIPs. FY05: 1 fixed core w/11 debrief.								

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-7				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC018 FALLON COMM UPGRADE			Admin Leadtime (after Oct1): 7 MONTHS			Prod Leadtime : 8 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				1				
Unit Cost				565				
Total Cost				565				
Asset Dynamics								
Beginning Asset Position				0		1	1	1
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding					1			
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				0	1	1	1	1
Inventory Objective or Current Authorized Allowance				1	1	1	1	1
Inventory Objective 1	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE SC034 LATR INTEGRATION FACILITY				Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 6 MONTHS	
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				1	1			
Unit Cost				200	200			
Total Cost				200	200			
Asset Dynamics								
Beginning Asset Position					1	2	2	2
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding				1				
Deliveries from subsequent years' funding					1			
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				1	2	2	2	2
Inventory Objective or Current Authorized Allowance				2	2	2	2	2
Inventory Objective 2	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC012 UATM			Admin Leadtime (after Oct1): 7 MONTHS			Prod Leadtime : 14 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				10				
Unit Cost				267				
Total Cost				2665				
Asset Dynamics								
Beginning Asset Position				0	0	10	10	10
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding					10			
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				0	10	10	10	10
Inventory Objective or Current Authorized Allowance				10	10	10	10	10
Inventory Objective 10	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC012 GOMEX MIW RANGE			Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 19 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				1				
Unit Cost				1225				
Total Cost				1225				
Asset Dynamics								
Beginning Asset Position				0	0	1	1	1
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding					1			
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				0	1	1	1	1
Inventory Objective or Current Authorized Allowance				1	1	1	1	1
Inventory Objective 1	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE SC018 ITCS UPGRADE				Admin Leadtime (after Oct1): 4 MONTHS			Prod Leadtime : 12 MONTHS	
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				1		1		
Unit Cost				500		300		
Total Cost				500		300		
Asset Dynamics								
Beginning Asset Position				0	0	1	1	2
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding					1			
Deliveries from subsequent years' funding							1	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				0	1	1	2	2
Inventory Objective or Current Authorized Allowance				2	2	2	2	2
Inventory Objective 2	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A		Aircraft: TOAI: N/A		
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:		PAA: TAI		
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:		Attrition Res:		
Pipeline:	FY 1996:	FY 1996:	FY 1996:			BAI		
Other:	FY 1995:	FY 1995:	FY 1995:			Inactive Inv:		
TOTAL:						Storage:		
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC021 LASR SCORE			Admin Leadtime (after Oct1): 3 MONTHS				Prod Leadtime : 7 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary			1						
Unit Cost			1650						
Total Cost			1650						
Asset Dynamics									
Beginning Asset Position				1	1	1	1	1	
Deliveries from all prior year funding									
Deliveries from FY 1999 funding									
Deliveries from FY 2000 funding			1						
Deliveries from FY 2001 funding									
Deliveries from subsequent years' funding									
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position			1	1	1	1	1	1	
Inventory Objective or Current Authorized Allowance			1	1	1	1	1	1	
Inventory Objective 1	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A				
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI				
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:				
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI				
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:				
TOTAL:					Storage:				
Remarks:									

P-1 SHOPPING LIST

CLASSIFICATION:

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: February 2000	
P-1 ITEM NOMENCLATURE SC020 RANGELESS AIR COMBAT TRAINING SYSTEM			Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 19 MONTHS		
	PRIOR YEARS	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		1						
Unit Cost		N/A						
Total Cost		2000						
Asset Dynamics								
Beginning Asset Position					0	1	1	1
Deliveries from all prior year funding								
Deliveries from FY 1999 funding					1			
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			0	0	1	1	1	1
Inventory Objective or Current Authorized Allowance			1	1	1	1	1	1
Inventory Objective 1	Actual Training Expenditures N/A	Other than Training Usage N/A	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads: N/A	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS					
Program Element for Code B Items: 0603512N							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$128.5	A	\$6.6	\$2.4	\$0.1	\$3.3	\$7.6	\$7.6	\$7.8	\$7.9	Continuing	Continuing
<p>EXPEDITIONARY AIRFIELDS (EAF)</p> <p>This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).</p> <p>This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.</p> <p>A Total of twenty-eight (28) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships which is a operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.</p> <p>The FY 2000 budget request provides for PE and ILS for EAF procurement products.</p> <p>The FY 2001 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products.</p>												

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Service Change Kits	A	\$13.7	\$0.0	\$2.4	\$0.0	\$0.0	\$0.0	\$0.7	\$1.0	\$1.0	Continuing	Continuing
F71/2 AM-2 Mat	A											
QUANTITY		3,163								65		
COST (In Millions)		(\$11.3)								(\$0.3)	(\$10.5)	(\$10.8)
Flatrack	A											
QUANTITY		378		407				0	0			785
COST (In Millions)		(\$2.4)		(\$2.4)				\$0.0	\$0.0			(\$4.9)
Revetment	B											
QUANTITY								864	1244	771		2879
COST (In Millions)		\$0.0						(\$0.7)	(\$1.0)	(\$0.6)	(0.1)	(\$2.4)
MOSLS	A		\$6.6	\$0.0	\$0.0	\$3.3	\$1.9	\$0.2	\$0.0	\$0.0		(\$12.0)
Moskits												
QUANTITY			22			6						28
COST (In Millions)		\$0.0	(\$2.8)			(\$0.8)						(\$3.6)
Salkits												
QUANTITY			26			16						42
COST (In Millions)		\$0.0	(\$3.8)			(\$2.5)						(\$6.3)
Cabkits												
QUANTITY			0			0	8	1				9
COST (In Millions)		\$0.0	\$0.0			\$0.0	(\$1.9)	(\$0.2)				(\$2.1)
M-31 Mobile Arresting Gear	B											
QUANTITY							5	7	7	7		26
COST (In Millions)		\$0.0	0				\$5.4	\$6.4	\$6.5	\$6.7		(\$25.1)
Other	A	\$16.9	\$0.0	\$0.0	\$0.1	\$0.0	\$0.3	\$0.3	\$0.3	\$0.3	Continuing	Continuing
Various 1/	A	\$97.8										
Total Funding		\$128.5	\$6.6	\$2.4	\$0.1	\$3.3	\$7.6	\$7.6	\$7.8	\$7.9	Continuing	Continuing

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond, PE, and ILS.

2/ Totals may not add due to rounding.

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD EXPEDITIONARY AIRFIELDS / 43SE									
COST CODE	ELEMENT OF COST													
		FY 1998			FY 1999			FY 2000			FY 2001			
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
SE010	<u>Service Change Kits</u> F72 / 2 AM-2 Mat Flatrack Revetment				407	6	2,446 (2,446)							
SE010	<u>MOSLS</u> Moskits Salkits Cabkits			6,602 (2,788) (3,814)							6 16	133 155	3,278 (798) (2,480)	
TBD	M-31 Mobile Arresting Gear													
SE800	Integrated Logistics Support			10			0			33			15	
SE830	Production Engineering			5			0			29			11	
SE860	Acceptance Test & Evaluation Various 1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond.													
				6,617			2,446			62			3,304	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS				SUBHEAD 43SE	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Flatrack FY 1999	407	6	Blount Island Command	Feb-99	*Option-FFP	Charleston Marine - Charleston SC	Apr-99	Sep-99	Yes	Jan-99
MOSLS - Moskits FY 2001	6	133	NAWCAD LKE	Dec-97	*Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-00	Jun-01	No	NA
MOSLS - Salkits FY 2001	16	155	NAWCAD LKE	Dec-97	*Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-00	Jun-01	No	NA
D. REMARKS										

CLASSIFICATION:

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS			Admin Leadtime (after Oct1): 2 Months			Production Lead Time : 6 Months		
SE010 MOSLS (MOSKITS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	22			6				
Unit Cost	127			133				
Total Cost	\$2,788			\$798				
Asset Dynamics								
Beginning Asset Position	0	22	22	22	28	28	28	28
Deliveries from all prior year funding	22	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2001 funding	0	0	0	6	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	22	22	22	28	28	28	28	28
Inventory Objective or Current Authorized Allowance	28	28	28	28	28	28	28	28
Inventory Objective 28	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

P-1 SHOPPING LIST

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3			DATE: February 2000	
P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS			Admin Leadtime (after Oct1): 2 Months			Production Lead Time : 6 Months		
SE010 MOSLS (SALKITS)	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	26			16				
Unit Cost	147			155				
Total Cost	\$3,814			\$2,480				
Asset Dynamics								
Beginning Asset Position	0	0	5	26	34	42	42	42
Deliveries from all prior year funding	0	5	21	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2001 funding	0	0	0	8	8	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	0	0	0
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	0	5	26	34	42	42	42	42
Inventory Objective or Current Authorized Allowance	42	42	42	42	42	42	42	42
Inventory Objective 42	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 - Aviation Support Equipment							P-1 ITEM NOMENCLATURE A/C Rearming Equipment - 43SH					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	279.1		9.9	12.7	12.4	10.7	12.3	12.4	12.7	12.9	Cont'd	Cont'd
<p>This program funds the procurement of common Armament Support Equipment (ASE) and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.</p> <p>This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) procurement of new support equipment (SE), and (c) procurement of Armament Weapon Support Equipment (AWSE). These items support sustained operations and surge deployments of the CV battle groups.</p> <p>Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D Weapons Loader, Linkless Ammunition Loading System (LALS II), A/E32K-3 RAMS, MHU-202M Munitions Trailer, and the LALS Replenisher.</p> <p>Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns. Examples of the equipment are the HLU-196D/E Bomb Hoist and the ADU-722/E Hoist Adapter.</p>												

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS								DATE: February 2000				
P-40a												
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment							A/C Rearming Equipment					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
1. LALS II	A	20,082	8,200	8,288	9,249							45,819
Qty		69	44	85	72							270
2. HLU-196D/E Bomb Hoist	A	5,084		1,263		5,897	6,217	5,426				23,887
Qty		407		3		199	199	165				973
3. A/S32K-1D Wpns Loader	A	19,829		293								20,122
Qty		339		342								681
4. Cycling Adapter	A	583			314							897
Qty		39			21							60
5. A/M32K-4A Mun Trlr	A	17,250		442	473	1,983	2,060	627				22,835
Qty		1150		29	31	132	137	42				1521
6. ADU-699A/E Sonobuoy Adp	A					200		950	975			2,125
Qty						4		76	78			158
7. ADU-433/434 Adapter	A	831		224	186							1,241
Qty		277		81	69							427
8. ADU-514/A/E Missile Adptr	A						854	583				1,437
Qty							427	293				720
9. Next Generation Handler	A								2,150	8,473		10,623
Qty									3	42		45
SUB TOTAL		63,659	8,200	10,510	10,222	8,080	9,131	7,586	3,125	8,473	0	128,986

P-1 SHOPPING LIST

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE: February 2000		
P-40a												
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment							A/C Rearming Equipment					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
10. A/M32U-13B Maint Trlr	A					420						420
Qty						14						14
11. ADU-722/E Hoist Adptr	A					252						252
Qty						394						394
12. A/F32K-1A Bomb Table	A						520					520
Qty							26					26
13. AERO-91A Adapter	A								120			120
Qty									300			300
14. LME	A								3,300			3,300
Qty									220			220
15. MHU-151/M Trailer	A							1,500	1,875			3,375
Qty								100	125			225
16. AERO-74A Adapter	A							1,277	1,729	2,213	4,387	9,606
Qty								170	230	295	585	1280
17. ADU-400/E Adapter	A						666					666
Qty							18					18
Various 1/		192,767										
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond.												
SUB TOTAL		256,426	8,200	10,510	10,222	8,752	10,317	10,363	10,149	10,686	Cont	Cont
Other		22,712	1,742	2,220	2,165	1,924	2,000	2,056	2,521	2,247	Cont	Cont
TOTAL		279,138	9,942	12,730	12,387	10,676	12,317	12,419	12,670	12,933	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System				DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY						ID Code									
OTHER PROCUREMENT, NAVY/BA-3 - Aviation Support Equipment								A/C Rearming Equipment							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SH004	Shipboard/Shorebased WSE														
	1. LALS II	A	20,082	44	186.36	8,200	85	97.50	8,288	72	128.46	9,249			
	2. HLU-196D/E Bomb Hoist	A	5,084				3	421.00	1,263				199	29.63	5,897
	3. A/S32K-1D Weapons Loader	A	19,829				342	0.86	293						
	4. Cycling Adapter	A	583							21	14.95	314			
	5. A/M32K-4A Munitions Trailer	A	17,250				29	15.24	442	31	15.26	473	132	15.02	1,983
	6. ADU-699A/E Sonobuoy Adapter	A											4	50.00	200
	7. ADU-433/434 Adapter	A	831				81	2.77	224	69	2.70	186			
	8. ADU-514A/E Missile Adapter	A													
	9. Next Generation Munitions Handler	A													
	10. A/M32U-13B Maint Trailer	A											14	30.00	420
	11. ADU-722/E Hoist Adapter	A											394	0.64	252
SH830	Production Engineering		19,859			1,558			1,666			1,755			1,524
SH860	Acceptance Test and Evaluation		2,853			184			365			410			400
	Other*		192,767						189						
			279,138			9,942			12,730			12,387			10,676

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P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE February 2000		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE A/C Rearming Equipment				SUBHEAD 43SH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
SH004										
LALS II										
FY 1999	85	97.50	NAWC Lakehurst	07/98	C/FFP	HYDRAULICS INTERNATIONAL	04/01/99	01/01/00	Yes	
FY 2000	72	128.46*	NAWC Lakehurst		FP/OPTION	HYDRAULICS INTERNATIONAL	03/01/00	01/01/01	Yes	
HLU-196D/E Bomb Hoist										
FY 1999	3	421.00	NAWC Lakehurst	12/98	C/FFP	BREEZE EASTERN	04/01/99	08/01/00	Yes	
FY 2001	199	29.63	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	11/01/00	09/01/01	Yes	
ADU-433/434 Adapter										
FY 1999	81	2.77	NAWC Lakehurst	02/99	C/FFP	COMPUTABASED MACHINE	04/01/99	10/01/99	Yes	
FY 2000	69	2.70	NAWC Lakehurst		FP/OPTION	COMPUTABASED MACHINE	12/01/99	06/01/00	Yes	
A/M32K-4A Munitions Trailer										
FY 1999	29	15.24	NAWC Lakehurst	04/97	C/FFP	DYNCORP	11/30/98	08/30/99	Yes	
FY 2000	31	15.26	NAWC Lakehurst		FP/OPTION	DYNCORP	01/01/00	10/01/00	Yes	
FY 2001	132	15.02	NAWC Lakehurst	04/00	C/FFP	TBD	11/01/00	08/30/01	Yes	
Cycling Adapter										
FY 2000	21	14.95	NAWC Pt. Mugu	08/99	C/FFP	NAWC Pt Mugu	03/01/00	09/01/00	Yes	
ADU-699A/E Adapter										
FY 2001	4	50.00	NAWC Lakehurst	05/00	C/FFP	TBD	12/01/00	10/01/01	Yes	
A/S32K-1D Weapons Loader										
FY 1999	342	0.86	NAWC Lakehurst	06/99	SS	GSE Spares, Inc Mesquite, TX	09/30/99	03/28/00	Yes	

D. REMARKS

* FY00 unit cost reflects procurement of LALS II replenishers.

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE A/C Rearming Equipment					SUBHEAD 43SH	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
SH004											
A/M32U-13B Maintenance Trailer FY 2001	14	30.00	NAWC Lakehurst	04/97	C/FFP	DYNCORP	11/01/00	08/01/01	Yes		
ADU-722/E Adapter FY 2001	394	0.64	NAWC Lakehurst	06/00	C/FFP	TBD	11/01/00	05/01/01	Yes		
D. REMARKS											
<div style="border: 1px solid black; height: 50px; width: 100%;"></div>											

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 2000		
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 6 months				Production Leadtime: 10 months		
LALS II	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	44	85	72					
Unit Cost	186.36	97.50	128.46					
Total Cost	8,200	8,288	9,249					
Asset Dynamics								
Beginning Asset Position	34	69	113	176				
Deliveries from all prior year funding	35	44						
Deliveries from FY 1999 funding			63	22				
Deliveries from FY 2000 funding				72				
Deliveries from FY 2001 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	69	113	176	270				
Inventory Objective or Current Authorized Allowance	270	270	270	270				
Inventory Objective 270	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION:

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 2000		
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 2 months				Production Leadtime: 10 months		
HLU-196D/E Bomb Hoist	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		3		199	199	165		
Unit Cost		421.00		29.63	31.24	32.89		
Total Cost		1,263		5,897	6,217	5,426		
Asset Dynamics								
Beginning Asset Position				3	19	202	401	
Deliveries from all prior year funding								
Deliveries from FY 1999 funding			3					
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding				16	183			
Deliveries from subsequent years' funding						199	165	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			3	19	202	401	566	
Inventory Objective or Current Authorized Allowance		566	566	566	566	566	566	
Inventory Objective 566	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 2000																															
APPROPRIATION/BUDGET ACTIVITY						Weapon System						P-1 ITEM NOMENCLATURE																									
OTHER PROCUREMENT, NAVY BA-3 - Aviation Support Equipment												A/C Rearming Equipment																									
						Production Rate			Procurement Leadtimes																												
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total	Unit of Measure															
LALS II	WDH Irvine Ca					2	1-8-5	8				6			10			10			16	MONTHS															
LALS II	Hydraulics Intl Chatsworth Ca					4	1-8-5	12				6			10			10			16	MONTHS															
HLU-196D/E	Breeze Eastern Union NJ					15		30				2			10			10			12	MONTHS															
ITEM / MANUFACTURER						FISCAL YEAR 1998														FISCAL YEAR 1999														BAL			
						1997			CALENDAR YEAR 1998											CALENDAR YEAR 1999																	
						F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
LALS II-WDH						98	N	44	0	44															4	4	4	4	4	4	4	4	4	4	0		
LALS II-HI						99	N	85	0	85																		A						85			
HLU-196D/E						99	N	3	0	3																		A						3			
ITEM / MANUFACTURER						FISCAL YEAR 2000														FISCAL YEAR 2001														BAL			
						1999			CALENDAR YEAR 2000											CALENDAR YEAR 2001																	
						F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
LALS II-HI						99	N	85	0	85				7	7	7	7	7	7	7	7	7	7	7	8										0		
OPTION I						00	N	72	0	72						A										8	8	8	8	9	9	9	9	4	0		
HLU-196D/E						99	N	3	0	3										3															0		
OPTION I						01	N	199	0	199													A										16	183			
Remarks:																																					

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT								P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ					
Program Element for Code B Items: 0603512N and 0604512N								Other Related Program Elements NOT APPLICABLE					
	Prior Years	ID Code		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY													
COST (In Millions)	\$499.2			\$32.1	\$37.5	\$40.4	\$36.4	\$32.8	\$38.2	\$34.2	\$35.6	CONTINUING	CONTINUING
<p>This program provides for procurement of major aircraft Launch, Recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:</p> <ul style="list-style-type: none"> (1) urgent fleet problems associated with the safe and reliable operation of existing equipment; (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and; (3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety. <p>Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements</p> <p>The FY 1999 program consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for the Long Range Line-up System (LRLS), Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.</p> <p>The FY 2000 program request consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for LRLS, ADMACS / ISIS, IFLOLS, PE, ILS, ATE, and FMP/NFMP installations for FY 2000 and prior years.</p> <p>The FY 2001 budget request consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (Helicopter Landing Systems and Visual Landing Aids) service change procurements. Also, included is funding for ADMACS / ISIS, IFLOLS, MORIAH, PE, ILS, ATE, and FMP/NFMP installations for FY 2001 and prior years.</p>													

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT								P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ					
Procurement Items	ID Code	Prior Years		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
SERVICE CHANGE KITS		124.3		12.1	2.8	9.3	6.0	5.7	14.1	14.7	17.9	CONTINUING	CONTINUING
LAUNCHER S/C KITS	A												
QUANTITY													
COST (In Millions)				(8.6)	(1.2)	(8.8)	(3.4)	(2.1)	(4.5)	(5.8)	(5.1)	CONTINUING	CONTINUING
VLA S/C KITS	A												
QUANTITY													
COST (In Millions)				(1.5)	(0.4)	(0.3)	(0.7)	(3.0)	(2.9)	(4.1)	(4.7)	CONTINUING	CONTINUING
RECOVERY S/C KITS	A												
QUANTITY													
COST (In Millions)				(2.0)	(1.2)	(0.3)	(1.9)	(0.6)	(6.6)	(4.8)	(8.1)	CONTINUING	CONTINUING
Various 1/	A												
QUANTITY													
COST (In Millions)		\$143.8											\$143.8
LRLS - CV(N)	B												
QUANTITY					5	5							10
COST (In Millions)					\$0.8	\$0.8							\$1.6
LRLS - Shore	B												
QUANTITY				4									4
COST (In Millions)				\$0.6									\$0.6
ADMACS-ISIS CV(N)	B												
QUANTITY					1	4	3	1					9
COST (In Millions)					\$2.2	\$8.5	\$6.5	\$2.2					\$19.4
ADMACS-ISIS LHA/D	B												
QUANTITY													
COST (In Millions)													
IFLOLS - CV(N)	B												
QUANTITY					5	5							10
COST (In Millions)					\$7.1	\$6.7							\$13.8
IFLOLS - Shore	B												
QUANTITY						3	8	6	3				20
COST (In Millions)						\$1.5	\$4.0	\$3.0	\$1.5				\$10.0

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT								P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ					
Procurement Items	ID Code	Prior Years		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
AS/32P-25 Fire Truck	A												
QUANTITY				14									14
COST (In Millions)		\$8.7		\$2.6									\$11.3
MORIAH	B												
QUANTITY								5	7			15	27
COST (In Millions)								1.3	\$2.0			\$2.0	\$5.3
MORIAH - Shore	B												
QUANTITY								3					3
COST (In Millions)								\$0.5					\$0.5
VISUAL	B												
QUANTITY									2	3	3	14	22
COST (In Millions)									\$3.0	\$4.5	\$4.5	\$21.0	\$33.0
ILS													
QUANTITY													
COST (In Millions)		\$30.0		\$1.7	\$2.2	\$0.8	\$0.7	\$1.1	\$1.9	\$0.9	\$0.5	CONTINUING	CONTINUING
PE													
QUANTITY													
COST (In Millions)		\$59.1		\$3.7	\$5.7	\$1.7	\$1.3	\$1.6	\$2.0	\$1.3	\$1.1	CONTINUING	CONTINUING
ATE													
QUANTITY													
COST (In Millions)		\$1.8		\$0.2	\$0.4	\$0.4	\$0.0	\$0.1	\$0.1	\$0.1	\$0.1	CONTINUING	CONTINUING
Installation - NFMP													
QUANTITY													
COST (In Millions)		\$106.7		\$9.9	\$11.3	\$7.1	\$7.9	\$7.4	\$9.3	\$9.8	\$8.0	CONTINUING	CONTINUING
Installation - FMP													
QUANTITY													
COST (In Millions)		\$24.8		\$1.4	\$5.0	\$3.6	\$9.9	\$9.9	\$4.3	\$2.9	\$3.5	CONTINUING	CONTINUING
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond.													
TOTAL		\$ 499.2	\$ -	\$ 32.1	\$ 37.5	\$ 40.4	\$ 36.4	\$ 32.8	\$ 38.2	\$ 34.2	\$ 35.6	CONTINUING	CONTINUING

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WEAPONS SYSTEM COST ANALYSIS P-5										Weapon System						DATE: February 2000		
APPROPRIATION/BUDGET ACTIVITY										ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD							
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT										AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS															
			Prior Years				FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	Service Charge Kits	A	124,345						12,073			2,766			9,335			5,971
	LAUNCHER																	
	Catapults - CV(N)								(4,286)			(398)			(1,422)			(2,388)
	Catapult Support Equipment - CV(N)								(4,336)			(759)			(7,370)			(981)
	VISUAL LANDING AIDS																	
	Visual Landing Aids - CV(N)								(73)			(135)						(355)
	Visual Landing Aids - ACS								(1,393)			(300)			(256)			(376)
	RECOVERY																	
	Arresting Gear - CV(N)								(1,372)			(406)			(287)			(563)
	Helicopter Landing System (HLS) - ACS								(613)			(768)						(1,308)
N/A	Various 1/		143,786															
SJ210	LRLS - CV(N)	B								5	166	830	5	160	800			
SJ220	LRLS - Shorebased	B					4	153	612									
SJ230	ADMACS / ISIS - CV(N)	B								1	2,100	2,100	4	2,133	8,532	3	2,177	6,530
SJ240	IFLOLS - CV(N)	B								5	1,422	7,109	5	1,348	6,740			
SJ250	IFLOLS - Shorebased	B											3	500	1,500	8	500	4,000
SJ260	P-25 FIRE TRUCK	A	8,729				14	185	2,590									
TBD	MORIAH	B																
TBD	MORIAH - Shorebased	B																
TBD	VISUAL	B																
SJ800	Integrated Logistics Support		29,988						1,656			2,245			761			709
SJ830	Production Engineering		59,056						3,656			5,739			1,739			1,335
SJ860	Acceptance, Test & Evaluation		1,779						226			449			387			45
SJ900	Installation - NFMP		106,674						9,872			11,259			7,062			7,925
SJ910	Installation - FMP		24,797						1,378			4,991			3,576			9,918
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond.																		
			499,154						32,063			37,488			40,432			36,433

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)			SUBHEAD 43SJ		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SJ210 LRLS - CV(N) FY 1999	5	166	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	06/99	06/00	Yes	N/A
SJ210 LRLS - CV(N) FY 2000	5	160	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	12/99	12/00	Yes	N/A
SJ230 ADMACS / ISIS FY 1999	1	2,100	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	08/99	09/00	Yes	N/A
SJ230 ADMACS / ISIS FY 2000	4	2,133	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	12/99	01/01	Yes	N/A
SJ230 ADMACS / ISIS FY 2001	3	2,177	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	12/00	01/01	Yes	N/A
SJ240 IFLOLS - CV(N) FY 1999	5	1,422	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	05/99	09/00	Yes	N/A
SJ240 IFLOLS - CV(N) FY 2000	5	1,348	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	03/00	07/01	Yes	N/A
SJ250 IFLOLS - Shore FY 2000	3	500	NAWCAD LKE	11/99	TBD	TBD	03/00	04/01	Yes	N/A
SJ250 IFLOLS - Shore FY 2001	8	500	NAWCAD LKE	Not Applicable	TBD	TBD	12/00	01/02	Yes	N/A
D. REMARKS ** Options to current EMD contract *** NAWCAD LKE will act as the systems integrator.										

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P3A		INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u>		TYPE MODIFICATION: <u>VARIOUS</u>										MODIFICATION TITLE: <u>LAUNCHER S/C - VARIOUS</u>												
DESCRIPTION/JUSTIFICATION: Summary page of all Launcher Service Changes that do not exceed \$5 million in either budget year or \$10 million in all years.																								
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																								
	<u>FY 1997 & Prior</u>				<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>
FINANCIAL PLAN (IN MILLIONS)																								
<i>RDT&E</i>																								
<i>PROCUREMENT</i>																								
INSTALLATION KITS (UNIT COST)																								
INSTALLATION KITS	287	19.897			21	1.273	17	0.759	23	0.228	15	0.981	3	0.095	3	0.423	4	1.748	5	2.939		CONTINUING		CONTINUING
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		33.268			0.474		0.108		0.096		0.106		0.152		0.112		0.074		0.326		CONTINUING		CONTINUING	
OTHER - ILS		10.890			0.177		0.113		0.108		0.103		0.054		0.086		0.062		0.101		CONTINUING		CONTINUING	
OTHER - ATE		0.779			0.188		0.174		0.155												CONTINUING		CONTINUING	
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		38.955			5.758		3.478		1.199		2.317		1.996		2.707		1.162		0.871		CONTINUING		CONTINUING	
TOTAL PROCUREMENT	287	103.789			7.870		4.632		1.786		3.507		2.297		3.328		3.046		4.237		CONTINUING		CONTINUING	

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P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: LAUNCHER S/C - VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUS

ADMINISTRATIVE LEADTIME: N/A

PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 1999: VARIOUS

FY 2000: VARIOUS

FY 2001: VARIOUS

DELIVERY DATE: FY 1999: VARIOUS

FY 2000: VARIOUS

FY 2001: VARIOUS

(\$ in Millions)

Cost:	Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.824		1.246		0.952		1.266		0.851		1.089		0.775		0.502		CONTINUING	CONTINUING	
PRIOR YEARS		38.783				1.983		0.156		0.038												CONTINUING	CONTINUING	
FY 1997 EQUIPMENT						2.231		1.073		0.124		0.120				0.120						CONTINUING	CONTINUING	
FY 1998 EQUIPMENT						0.720		0.897		0.061		0.342		0.284								CONTINUING	CONTINUING	
FY 1999 EQUIPMENT								0.106		0.024		0.364		0.462		0.515						CONTINUING	CONTINUING	
FY 2000 EQUIPMENT												0.225		0.399		0.385						CONTINUING	CONTINUING	
FY 2001 EQUIPMENT																						CONTINUING	CONTINUING	
FY 2002 EQUIPMENT																0.598						CONTINUING	CONTINUING	
FY 2003 EQUIPMENT																		0.387				CONTINUING	CONTINUING	
FY 2004 EQUIPMENT																				0.349		CONTINUING	CONTINUING	
FY 2005 EQUIPMENT																						CONTINUING	CONTINUING	
TO COMPLETE																				0.020		CONTINUING	CONTINUING	
INSTALL COST		38.955				5.758		3.478		1.199		2.317		1.996		2.707		1.162		0.871		CONTINUING	CONTINUING	

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001			FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	*																													
Out	*																													

* Various

The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million in all years.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																															
MODELS OF SYSTEM AFFECTED: <u>C13-2 CATAPULT</u>				TYPE MODIFICATION: <u>RELIABILITY / MAINTAINABILITY</u>				MODIFICATION TITLE: <u>LAUNCH- IMPROVED PISTON</u>																									
DESCRIPTION/JUSTIFICATION: Launcher Service Change 633 replaces existing C13-2 catapult pistons with an improved design and titanium material which extends service life and decreases maintenance man-hours. This is a Type Commander funded installation.																																	
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:				<u>MS III - March 1998</u>																													
	<u>FY 1997 & Prior</u>			<u>FY 1998</u>			<u>FY 1999</u>			<u>FY 2000</u>			<u>FY 2001</u>			<u>FY 2002</u>			<u>FY 2003</u>			<u>FY 2004</u>			<u>FY 2005</u>			<u>TC</u>			<u>TOTAL</u>		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$			
FINANCIAL PLAN (IN MILLIONS)																																	
<u>RDT&E</u>																																	
<u>PROCUREMENT</u>																																	
INSTALLATION KITS (UNIT COST)						0.398		0.398		0.398		0.398		0.398		0.398		0.398															0.398
INSTALLATION KITS				9	3.582	1	0.398	3	1.194	6	2.388	5	1.990	3	1.194																27	10.746	
INSTALLATION KITS NONRECURRING																																	
EQUIPMENT																																	
EQUIPMENT NONRECURRING																																	
ENGINEERING CHANGE ORDERS																																	
DATA																																	
TRAINING EQUIPMENT																																	
SUPPORT EQUIPMENT																																	
OTHER - PE		0.164			0.086		0.063		0.062		0.061		0.009																				0.445
OTHER - ILS		0.097			0.064		0.012		0.015																								0.188
OTHER - ATE																																	
INTERIM CONTRACTOR SUPPORT																																	
INSTALL COST - Non-FMP								4	*	7	*	8	*	5	*	3	*														27	*	
TOTAL PROCUREMENT		0.261			9	3.732	1	0.473	3	1.271	6	2.449	5	1.999	3	1.194															27	11.379	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: C13-2 CATAPULT

MODIFICATION TITLE: LAUNCH- IMPROVED PISTON

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Attrition

ADMINISTRATIVE LEADTIME: 3 Months

PRODUCTION LEADTIME: 15 Months

CONTRACT DATES: FY 1999: 11/98

FY 2000: 11/99

FY 2001: 11/00

DELIVERY DATE: FY 1999: 2/00

FY 2000: 2/01

FY 2001: 2/02

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																						
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT							4	*	5	*											9	*
FY 1999 EQUIPMENT									1	*											1	*
FY 2000 EQUIPMENT									1	*	2	*									3	*
FY 2001 EQUIPMENT											6	*									6	*
FY 2002 EQUIPMENT													5	*							5	*
FY 2003 EQUIPMENT															3	*					3	*
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP							4	*	7	*	8	*	5	*	3	*					27	*

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In						1	2	2		2	2	2	2	2	2	2	2	2	1			2	1								27
Out							2	2		1	2	2	2	2	2	2	2														27

* This is an Organizational level installation - Ship's Force item with no associated FMP / NFMP installation costs.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>C7, C13-0, C13-1 AND C13-2 CATAPULTS</u> TYPE MODIFICATION: <u>RELIABILITY / MAINTAINABILITY</u> MODIFICATION TITLE: <u>LAUNCH - CRES WATER BRAKE</u>																						
DESCRIPTION/JUSTIFICATION: This Launcher Service Change replaces the existing steel water brake cylinders with a Corrosion Resistant Steel (CRES) material which will extend catapult cylinder life and reduce maintenance man-hours.																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>MS III - November 2002</u>																						
	<u>FY 1997 & Prior</u>				<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>	<u>TOTAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RD&E</u>																						
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)																0.122		0.128		0.132		0.135
INSTALLATION KITS															24	2.928	32	4.096	16	2.112	32	4.320
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE													0.077		0.063		0.030		0.060		0.050	
OTHER - ILS													0.041		0.014							
OTHER - ATE															0.065							
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP																24	0.008	32	0.008	48	0.010	104
TOTAL PROCUREMENT													0.118	24	3.070	32	4.134	12	2.180	42	4.380	104

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VRT

ADMINISTRATIVE LEADTIME:	6 Months
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PRODUCTION LEADTIME: 14 Months

CONTRACT DATES:	FY 1999:	N/A
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FY 2000: N/A

FY 2001:	N/A
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DELIVERY DATE:	FY 1999:	N/A
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FY 2000:	N/A
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FY 2001:	N/A
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(\$ in Millions)

INSTALLATION SCHEDULE:

* Type Commander funded installations.

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																													
MODELS OF SYSTEM AFFECTED:		<u>CVN 68 CLASS CATAPULTS</u>										TYPE MODIFICATION:					<u>RELIABILITY / MAINTAINABILITY</u>					MODIFICATION TITLE:					<u>LAUNCH - TROUGH COVERS</u>				
DESCRIPTION/JUSTIFICATION: Launcher Service Change 408 replaces the two piece steel trough covers used on CVN 68 Class with a Corrosion Resistant Steel (CRES) one piece trough cover with ferrallium clad channels.																															
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																															
		<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>									
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$								
<u>FINANCIAL PLAN (IN MILLIONS)</u>																															
<u>RD&E</u>																															
<u>PROCUREMENT</u>																															
INSTALLATION KITS (UNIT COST)			2.700			3.767			3.685														2.890								
INSTALLATION KITS		13	35.100			1	3.767			2	7.370											16	46.237								
INSTALLATION KITS NONRECURRING																															
EQUIPMENT																															
EQUIPMENT NONRECURRING																															
ENGINEERING CHANGE ORDERS																															
DATA																															
TRAINING EQUIPMENT																															
SUPPORT EQUIPMENT																															
OTHER - PE			0.200			0.049		0.024	0.012	0.002													0.287								
OTHER - ILS			0.075			0.005																	0.080								
OTHER - ATE																															
INTERIM CONTRACTOR SUPPORT																															
INSTALL COST - Non-FMP		13	16.250				1	1.172	2	2.930												16	20.352								
TOTAL PROCUREMENT		13	51.625			1	3.821		1.196	2	10.312		0.002									16	66.956								

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CVN 68 CLASS CATAPULTS MODIFICATION TITLE: LAUNCH - TROUGH COVERS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: * 1 Month

CONTRACT DATES: FY 1999: N/A

FY 2000: N/A

FY 2001: N/A

DELIVERY DATE: FY 1999: N/A

FY 2000: N/A

FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.015		0.030														0.045
PRIOR YEARS	13	16.250																			13	16.250
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT					1	1.157															1	1.157
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT							2	2.900													2	2.900
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP	13	16.250			1	1.172	2	2.930													16	20.352

INSTALLATION SCHEDULE:

In Out	FY 1998	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
	13	1				2																					16				
	13	1				2																					16				

* Assets available in supply system.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																													
MODELS OF SYSTEM AFFECTED:		MK7 JET BLAST DEFLECTOR										TYPE MODIFICATION:		SUPPORTABILITY / CONFIGURATION										MODIFICATION TITLE:		LAUNCH - JET BLAST DEFLECTOR					
DESCRIPTION/JUSTIFICATION: Launcher Service Change (SHIPALT 7172) to the MK7 Jet Blast Deflector (JBD) is an improved design that is supportable, reliable, and maintainable; is standard across the ship class; and is F/A-18 Hornet compatible. FY99 installation completed on USS ABRAHAM LINCOLN (CVN 72).																															
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																															
		<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>									
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$								
FINANCIAL PLAN (IN MILLIONS)																															
<i>RD&E</i>																															
<i>PROCUREMENT</i>																															
INSTALLATION KITS (UNIT COST)																															
INSTALLATION KITS		9	7.569																			9	7.569								
INSTALLATION KITS NONRECURRING																															
EQUIPMENT																															
EQUIPMENT NONRECURRING																															
ENGINEERING CHANGE ORDERS																															
DATA																															
TRAINING EQUIPMENT																															
SUPPORT EQUIPMENT																															
OTHER - PE			0.250																				0.250								
OTHER - ILS																															
OTHER - ATE																															
INTERIM CONTRACTOR SUPPORT																															
INSTALL COST - FMP		6	24.639			1.117	3	3.916														9	29.672								
TOTAL PROCUREMENT		9	32.458			1.117		3.916														9	37.491								

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7 JET BLAST DEFLECTOR (JBD) MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR (JBD)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)

ADMINISTRATIVE LEADTIME:

N/A

PRODUCTION LEADTIME: N/A

CONTRACT DATES:

FY 1999:

N/A

FY 2000:

N/A

FY 2001:

N/A

DELIVERY DATE:

FY 1999:

N/A

FY 2000:

N/A

FY 2001:

N/A

(\$ in Millions)

Cost:	Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.440				0.045		0.047																0.532
PRIOR YEARS	6	24.199			*	1.072	3	3.869															9	29.140
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP	6	24.639			*	1.117	3	3.916															9	29.672

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	9																														9
Out	6				3																										9

* Design Services and Advance Planning for CVN 72

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u>				TYPE MODIFICATION: <u>VARIOUS</u>								MODIFICATION TITLE: <u>LANDING AIDS S/C - VARIOUS</u>												
DESCRIPTION/JUSTIFICATION: Summary page of all Visual Landing Aids (VLA) Service Changes that do not exceed \$5 million in either budget year or \$10 million in all years.																								
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																								
		<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>		
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																								
<i>RD&E</i>																								
<i>PROCUREMENT</i>																								
INSTALLATION KITS (UNIT COST)																								
INSTALLATION KITS	125	5.344		28	1.466	7	0.435	16	0.256	136	0.731	17	2.992	5	1.823	6	1.824		2.368		CONTINUING		CONTINUING	
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		16.821			0.407		0.199		0.019		0.141		0.238		0.146		0.109		0.162		CONTINUING		CONTINUING	
OTHER - ILS		5.374			0.173		0.039		0.009		0.018		0.088		0.122		0.064		0.085		CONTINUING		CONTINUING	
OTHER - ATE		0.500					0.020		0.015												CONTINUING		CONTINUING	
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		6.856			1.345		2.947		1.451		2.119		2.113		2.664		2.054		1.503		CONTINUING		CONTINUING	
TOTAL PROCUREMENT	125	34.895			3.391		3.640		1.750		3.009		5.431		4.755		4.051		4.118		CONTINUING		CONTINUING	

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: LANDING AIDS S/C - VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUS

ADMINISTRATIVE LEADTIME: N/A

PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 1999: VARIOUS

FY 2000: VARIOUS

FY 2001: VARIOUS

DELIVERY DATE: FY 1999: VARIOUS

FY 2000: VARIOUS

FY 2001: VARIOUS

(\$ in Millions)

Cost:	Prior Years			FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total		
	Qty	\$		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT		0.030			0.322		1.040		0.521		0.894		1.595		1.252		0.884		0.561		CONTINUING		CONTINUING	
PRIOR YEARS	122	6.826		38	0.762	3	0.123	12	0.095					1	0.009						CONTINUING		CONTINUING	
FY 1997 EQUIPMENT				12	0.261	5	0.950														CONTINUING		CONTINUING	
FY 1998 EQUIPMENT						9	0.684	6	0.722	8	0.900	1	0.100								CONTINUING		CONTINUING	
FY 1999 EQUIPMENT						3	0.150	1	0.050												CONTINUING		CONTINUING	
FY 2000 EQUIPMENT								2	0.063	5	0.025	3	0.375								CONTINUING		CONTINUING	
FY 2001 EQUIPMENT										6	0.300	2	0.043								CONTINUING		CONTINUING	
FY 2002 EQUIPMENT														12	0.680									
FY 2003 EQUIPMENT														25	0.723	6	0.690	12	0.618		CONTINUING		CONTINUING	
FY 2004 EQUIPMENT																11	0.480	27	0.384		CONTINUING		CONTINUING	
FY 2005 EQUIPMENT																					CONTINUING		CONTINUING	
TO COMPLETE																					CONTINUING		CONTINUING	
INSTALL COST	*	6.856		*	1.345	*	2.947	*	1.451	*	2.119	*	2.113	*	2.664	*	2.054	*	1.503		CONTINUING		*CONTINUING	

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001			FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In		1	2	3	4	1	2	3	4	1	2	3	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Out																														

* Various The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million in all years.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION																						
P3A MODELS OF SYSTEM AFFECTED: <u>ACS ASGSI</u> TYPE MODIFICATION: <u>ENVIRONMENTAL</u> MODIFICATION TITLE: <u>VLA - ASGSI</u>																						
DESCRIPTION/JUSTIFICATION: Provide environmentally friendly Advanced Stabilized Glide Slope Indicator(ASGSI) system.																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																						
	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RDT&E</u>																						
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)														0.091		0.091		0.093		0.095		0.094
INSTALLATION KITS													12	1.092	25	2.275	25	2.325	163	15.485	225	21.177
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE												0.306		0.638		0.364		0.211		0.485		2.004
OTHER - ILS												0.134		0.462		0.100		0.062		0.192		0.950
OTHER - ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP														0.150	12	2.025	25	2.725	188	20.310	225	25.210
TOTAL PROCUREMENT												0.440	12	2.342	25	4.764	25	5.323	163	36.472	225	49.341

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION (Continued)																						
P3A (Continued) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> MODELS OF SYSTEMS AFFECTED: <u>OC61 ASGSI, C13-1</u> </div> <div> MODIFICATION TITLE: <u>VLA - ASGSI</u> </div> </div>																						
INSTALLATION INFORMATION: METHOD OF IMPLEMENTATION: <u>SHIPYARD-VRT</u> ADMINISTRATIVE LEAD TIME: <u>6 Months</u> PRODUCTION LEAD TIME: <u>13 Months</u>																						
CONTRACT DATES: FY 1999: <u>N/A</u> FY 2000: <u>N/A</u> FY 2001: <u>N/A</u> DELIVERY DATE: FY 1999: <u>N/A</u> FY 2000: <u>N/A</u> FY 2001: <u>N/A</u>																						
(\$ in Millions)																						
Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT														0.150		0.885		0.350		2.450		3.835
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT															12	1.140					12	1.140
FY 2004 EQUIPMENT																	25	2.375			25	2.375
FY 2005 EQUIPMENT																			25	2.375	25	2.375
TO COMPLETE																			163	15.485	163	15.485
INSTALL COST - Non-FMP														0.150	12	2.025	25	2.725	188	20.310	225	25.210

		FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In																															225				
Out																															225				

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u> TYPE MODIFICATION: <u>VARIOUS</u> MODIFICATION TITLE: <u>RECOVERY S/C VARIOUS</u>																						
DESCRIPTION/JUSTIFICATION: <div style="border: 1px solid black; padding: 5px; min-height: 50px;"> Summary page of all Recovery Service Changes that do not exceed \$5 million in either budget year or \$10 million in all years. </div>																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																						
	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RD&E</u>																						
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)																						
INSTALLATION KITS	356	3.632			234	1.985	227	1.174	64	0.287	137	1.871	20	0.580	57	1.378	33	0.493	4	0.066	CONTINUING	CONTINUING
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE		8.087				0.912		0.807		0.116		0.169		0.107		0.229		0.083		0.214	CONTINUING	CONTINUING
OTHER - ILS		13.368				0.290		0.162		0.024		0.105		0.167		0.175		0.074		0.185	CONTINUING	CONTINUING
OTHER - ATE		0.500				0.038		0.150		0.110										0.050	CONTINUING	CONTINUING
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP		22.391				2.769		3.662		1.282		3.189		2.735		2.587		2.519		1.639	CONTINUING	CONTINUING
TOTAL PROCUREMENT	356	47.978			234	5.994	227	5.955	64	1.819	137	5.334	20	3.589	57	4.369	33	3.169		2.154	CONTINUING	CONTINUING

The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million in all years.

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUSMODIFICATION TITLE: RECOVERY S/C VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUSADMINISTRATIVE LEADTIME: N/APRODUCTION LEADTIME: N/ACONTRACT DATES: FY 1999: VARIOUSFY 2000: VARIOUSFY 2001: VARIOUSDELIVERY DATE: FY 1999: VARIOUSFY 2000: VARIOUSFY 2001: VARIOUS

(\$ in Millions)

Cost:	Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.569		1.369		0.632		1.593		0.990		1.361		0.913		0.359	CONTINUING		CONTINUING	
PRIOR YEARS	60	22.188			31	1.036	19	0.663													CONTINUING		CONTINUING	
FY 1997 EQUIPMENT					250	0.772	20	0.647	6	0.115	10	0.147									CONTINUING		CONTINUING	
FY 1998 EQUIPMENT					4	0.392	164	0.983	36	0.229											CONTINUING		CONTINUING	
FY 1999 EQUIPMENT									203	0.306	101	0.413	34	0.040	17	0.120					CONTINUING		CONTINUING	
FY 2000 EQUIPMENT											101	1.036	13	0.314							CONTINUING		CONTINUING	
FY 2001 EQUIPMENT													13	1.010	16	0.856					CONTINUING		CONTINUING	
FY 2002 EQUIPMENT													38	0.381			1	0.335			CONTINUING		CONTINUING	
FY 2003 EQUIPMENT															20	0.250	20	0.966	30	0.834	CONTINUING		CONTINUING	
FY 2004 EQUIPMENT																	39	0.305	6	0.318	CONTINUING		CONTINUING	
FY 2005 EQUIPMENT																			17	0.128	CONTINUING		CONTINUING	
TO COMPLETE																					CONTINUING		CONTINUING	
INSTALL COST		22.391				2.769		3.662		1.282		3.189		2.735		2.587		2.519		1.639	CONTINUING		** CONTINUING	

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In	**	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Out	**																														

** Various The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million in all years.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																					
MODELS OF SYSTEM AFFECTED:				MK7-2, MK7-3 and MK7-4 ARRESTING GEAR				TYPE MODIFICATION:				SAFETY				MODIFICATION TITLE:				REC - CROV/Retract Sys Upgrade			
DESCRIPTION/JUSTIFICATION: Major upgrade to the MK7 arresting gear Constant Run Out Valve (CROV) and retract system to restore margins of safety eroded by the gradual introduction of higher weight and speed aircraft.																							
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <div style="float: right; border-bottom: 1px solid black; padding-right: 50px;">NOT APPLICABLE</div>																							
	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																							
<i>RD&E</i>																							
<i>PROCUREMENT</i>																							
INSTALLATION KITS (UNIT COST)														0.262		0.270		0.278				0.272	
INSTALLATION KITS													20	5.240	16	4.320	29	8.062			65	17.622	
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE														0.226		0.265		0.044				0.535	
OTHER - ILS														0.158		0.137		0.032				0.327	
OTHER - ATE																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST - Non-FMP														0.100	22	1.496	12	0.960	31	2.246	65	4.802	
TOTAL PROCUREMENT													20	5.724	16	6.218	29	9.098		2.246	65	23.286	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK7-2, MK7-3 and MK7-4 ARRESTING GEAR MODIFICATION TITLE: RECOVERY - CROV / Retract System Upgrade

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VRT/SHIPYARD

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 10 Months

CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: N/A

DELIVERY DATE: FY 1999: N/A FY 2000: N/A FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																0.200		0.200		0.200		0.600
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT													*	0.100	20	1.166					20	1.266
FY 2004 EQUIPMENT															2	0.130	12	0.760	2	0.132	16	1.022
FY 2005 EQUIPMENT																			25	1.650	25	1.650
TO COMPLETE																			4	0.264	4	0.264
INSTALL COST - Non-FMP													*	0.100	22	1.496	12	0.960	31	2.246	65	4.802

INSTALLATION SCHEDULE:

		<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>				<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>				<u>FY 2005</u>				<u>TC</u>	<u>TOTAL</u>
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In																															
Out																		22					12				31	65			
																			6	6	10			5	5	2	31	65			

* Advanced installation support

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>NEW SYSTEM - CV(N)</u>				TYPE MODIFICATION: <u>IMPROVED CAPABILITIES</u>				MODIFICATION TITLE: <u>ADMACS / ISIS - CV(N)</u>														
DESCRIPTION/JUSTIFICATION:																						
<p>The Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS) is a real-time configuration managed, tactical local area network (LAN) providing connectivity among all Air Operations and Aircraft Launch and Recovery Equipment (ALRE) work spaces aboard CV(N)s. Ship Alteration numbers 8623 for CVs and 8624 for CVNs apply. Installations funded and scheduled in FY01 include USS ABRAHAM LINCOLN (CVN 72), USS GEORGE WASHINGTON (CVN 73), and USS HARRY S. TRUMAN (CVN 75).</p>																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>MS III - August 1999</u>																						
	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RDT&E</u>				2.951		6.700		3.893		0.400												13.944
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)							2.100		2.133		2.177		2.206									2.152
INSTALLATION KITS						1	2.100	4	8.532	3	6.530	1	2.206								9	19.368
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE							3.682		0.599		0.278		0.121									4.680
OTHER - ILS					0.302		1.081		0.335		0.205		0.102		0.050							2.075
OTHER - ATE							0.035		0.035													0.070
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - FMP							0.379		1.742	3	5.350	5	7.210	1	1.564						9	16.245
TOTAL PROCUREMENT						0.302	1	7.277	4	11.243	3	12.363	1	9.639		1.614					9	42.438

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued) INDIVIDUAL MODIFICATION (Continued)																									
MODELS OF SYSTEMS AFFECTED: <u>NEW SYSTEM - CV(N)</u>										MODIFICATION TITLE: <u>ADMACS / ISIS - CV(N)</u>															
<div style="display: flex; justify-content: space-between;"> <div> <p>INSTALLATION INFORMATION:</p> <p>METHOD OF IMPLEMENTATION: <u>SHIPYARD / Alterative Installation Team</u></p> <p>ADMINISTRATIVE LEADTIME: <u>2 Month</u></p> </div> <div> <p>PRODUCTION LEADTIME: <u>13 Months</u></p> </div> </div>																									
CONTRACT DATES:		FY 1999: <u>8/99</u>				FY 2000: <u>12/99</u>				FY 2001: <u>12/00</u>															
DELIVERY DATE:		FY 1999: <u>9/00</u>				FY 2000: <u>1/01</u>				FY 2001: <u>1/02</u>															
(\$ in Millions)																									
Cost:		Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$			Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT										0.662		0.490		0.325		0.214									
PRIOR YEARS																									
FY 1997 EQUIPMENT																									
FY 1998 EQUIPMENT																									
FY 1999 EQUIPMENT							*	0.239	*	0.135	1	1.350											*	1	1.724
FY 2000 EQUIPMENT							*	0.140	*	0.540	* 2	2.970	2	2.700									*	4	6.350
FY 2001 EQUIPMENT									*	0.405	*	0.405	3	4.050									*	3	4.860
FY 2002 EQUIPMENT											*	0.135	*	0.135	1	1.350							*	1	1.620
FY 2003 EQUIPMENT																									
FY 2004 EQUIPMENT																									
FY 2005 EQUIPMENT																									
TO COMPLETE																									
INSTALL COST - FMP							*	0.379	*	1.742	* 3	5.350	* 5	7.210	1	1.564							*	9	16.245
<div style="display: flex; justify-content: space-between; align-items: flex-start; padding-top: 10px;"> <div> <p>INSTALLATION SCHEDULE:</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">FY 1998 & Prior</div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 1999</div> <div style="display: flex; justify-content: space-around;">1 2 3</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2000</div> <div style="display: flex; justify-content: space-around;">0 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2001</div> <div style="display: flex; justify-content: space-around;">1 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2002</div> <div style="display: flex; justify-content: space-around;">1 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2003</div> <div style="display: flex; justify-content: space-around;">1 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2004</div> <div style="display: flex; justify-content: space-around;">1 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">FY 2005</div> <div style="display: flex; justify-content: space-around;">1 2 3 4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">IC</div> </div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;"> <div style="text-align: center; border-bottom: 1px solid black;">TOTAL</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>In</div> <div>9</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Out</div> <div>9</div> </div> </div> </div> </div>																									

* Installation funding based upon FY of start of availability vice hardware delivery, includes Design Services and Advance Planning.

CLASSIFICATION: **UNCLASSIFIED**

P3A INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>MK 13 MOD 0 (CV(N))</u>				TYPE MODIFICATION: <u>ENHANCEMENT</u>				MODIFICATION TITLE: <u>IFLOLS - CV(N)</u>														
DESCRIPTION/JUSTIFICATION: The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing aircraft carrier Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide scope display sensitivity with improved optics and stabilization. Ship Alteration numbers 8634 for CVs and 8635 for CVNs apply. The funded installation in FY00 is for USS JOHN C. STENNIS (CVN 74) for their FY01 availability. FY01 funded insatlations are scheduled for USS KITTY HAWK (CV 63), USS NIMITZ (CVN 68), USS ABRAHAM LINCOLN (CVN 72), USS GEORGE WASHINGTON (CVN 73), and USS HARRY S. TRUMAN (CVN 75).																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>MS III - March 2000</u>																						
	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RDT&E</u>		5.005				0.915		0.685														6.605
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)							1.422		1.348													1.385
INSTALLATION KITS						5	7.109	5	6.740												10	13.849
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE						1.156		0.425		0.380		0.199										2.160
OTHER - ILS		0.040				0.257		0.545		0.114		0.089		0.059								1.104
OTHER - ATE								0.035		0.037		0.005										0.077
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - FMP						0.111		0.353	1	0.911	5	3.804	3	2.153	1	0.704					10	8.036
TOTAL PROCUREMENT		0.040				1.524	5	8.467	5	8.182		4.097		2.212		0.704					10	25.226

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK 13 MOD 0 (CV(N))

MODIFICATION TITLE: IFLOLS - CV(N)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)

ADMINISTRATIVE LEADTIME: 2 Month

PRODUCTION LEADTIME: 16 Months

CONTRACT DATES: FY 1999: 5/99

FY 2000: 12/99

FY 2001: N/A

DELIVERY DATE: FY 1999: 9/00

FY 2000: 4/01

FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.030		0.030		0.030		0.030								0.120
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT			*	0.111	*	0.353	*1	0.677	4	2.696											* 5	3.837
FY 2000 EQUIPMENT							*	0.204	* 1	1.078	* 3	2.123	1	0.674							* 5	4.079
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - FMP			*	0.111	*	0.353	*1	0.911	* 5	3.804	* 3	2.153	* 1	0.704							* 10	8.036

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		10
Out									1				2		1					1											10

* Installation funding based upon FY of start of availability vice hardware delivery, includes Design Services and Advance Planning.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: MK 14 MOD O (SHORE) TYPE MODIFICATION: ENHANCEMENT MODIFICATION TITLE: IFLOLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing shore based Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide scope display sensitivity with improved optics and stabilization. Installations funded and scheduled for FY01 are NAS Oceana, NAS Lemoore, and NALF San Clemente.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS III - March 2000

	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<i>RDT&E</i>							0.400	1.800														2.200
<i>PROCUREMENT</i>																						
INSTALLATION KITS (UNIT COST)								0.500		0.500		0.500		0.500								0.500
INSTALLATION KITS							3	1.500	8	4.000	6	3.000	3	1.500							20	10.000
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE							0.200	0.407		0.221		0.088		0.045								0.961
OTHER - ILS		0.040				0.106	0.098	0.114		0.103		0.086		0.067								0.614
OTHER - ATE										0.040		0.037										0.077
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP									3	0.300	5	0.500	5	0.500	5	0.500	2	0.200			20	2.000
TOTAL PROCUREMENT		0.040				0.106	0.298	3	2.021	8	4.664	6	3.711	3	2.112		0.500		0.200		20	13.652

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CLASSIFICATION: **UNCLASSIFIED**

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: MK 14 MOD O (SHORE) MODIFICATION TITLE: IFLOLS - Shorebased

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: ALTERATION INSTALLATION TEAM (AIT)
ADMINISTRATIVE LEADTIME: 2 Months
CONTRACT DATES: FY 1999: N/A
DELIVERY DATE: FY 1999: N/A

PRODUCTION LEADTIME: 13 Months
FY 2000: 3/00
FY 2000: 4/01
FY 2001: 12/00
FY 2001: 1/02

(\$ in Millions)																									
Cost:		Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
		Qty	\$			Qty	\$			Qty	\$			Qty	\$			Qty	\$			Qty	\$		
INSTALLATION SUPPORT																									
PRIOR YEARS																									
FY 1997 EQUIPMENT																									
FY 1998 EQUIPMENT																									
FY 1999 EQUIPMENT																									
FY 2000 EQUIPMENT												*3	0.300											3	0.300
FY 2001 EQUIPMENT														5	0.500	3	0.300							8	0.800
FY 2002 EQUIPMENT																2	0.200	4	0.400					6	0.600
FY 2003 EQUIPMENT																		1	0.100	2	0.200			3	0.300
FY 2004 EQUIPMENT																									
FY 2005 EQUIPMENT																									
TO COMPLETE																									
INSTALL COST - Non-FMP												3	0.300	5	0.500	5	0.500	5	0.500	2	0.200			20	2.000

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In											1	2		2	2	2		2	2	2	1	1	2	1							20
Out											1	2		1	2	2		2	1	1	1	1	2	1	1	1					20

CLASSIFICATION: **UNCLASSIFIED**

P3A INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED: <u>LRLS MK-15 MOD 0 - CV(N)</u>				TYPE MODIFICATION: <u>NEW CAPABILITIES</u>				MODIFICATION TITLE: <u>LRLS CV(N)</u>														
DESCRIPTION/JUSTIFICATION: The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance by providing the pilot with more precise line-up information at a greater range. Ship Alteration numbers 8632 for CVs and 8633 for CVNs apply. Installation of foundation, cabling, and power supply will occur prior to hardware delivery. Installations funded and scheduled in FY00 include USS KITTY HAWK (CV 63), USS CONSTELLATION (CV 64), USS CARL VINSON (CVN 70), and USS THEODORE ROOSEVELT (CVN 71).																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>MS III - JUNE 1999</u>																						
	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<u>RDT&E</u>		3.049				0.421		0.365														3.835
<u>PROCUREMENT</u>																						
INSTALLATION KITS (UNIT COST)							0.163		0.163													0.163
INSTALLATION KITS						5	0.830	5	0.800												10	1.630
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE						0.312		0.132		0.048												0.492
OTHER - ILS						0.204		0.196		0.042		0.014										0.456
OTHER - ATE								0.035		0.035												0.070
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - FMP		0.070				0.150		0.343	4	0.923	4	0.526	1	0.138	1	0.125					10	2.275
TOTAL PROCUREMENT		0.070				0.666	5	1.536	5	1.848		0.540		0.138		0.125					10	4.923

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK-15 MOD 0 - CV(N) MODIFICATION TITLE: LRLS CV(N)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: ALTERATION INSTALLATION TEAM (AIT)

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 1999: 6/99 FY 2000: 12/99 FY 2001: N/A

DELIVERY DATE: FY 1999: 6/00 FY 2000: 12/00 FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.070						0.359														0.429
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT				**	0.150	**	0.305	* 4	0.513	1	0.125										* 5	1.093
FY 2000 EQUIPMENT						*	0.038	*	0.051	* 3	0.401	* 1	0.138	1	0.125						* 5	0.753
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - FMP		0.070	*	*	0.150	*	0.343	* 4	0.923	* 4	0.526	* 1	0.138	1	0.125						* 10	2.275

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		10
Out						2	2		2	1	2	1	2	1				1													10

* Installation funding based upon FY of start of availability vice hardware delivery, includes Design Services and Advance Planning.

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CLASSIFICATION: UNCLASSIFIED

P3A

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: LRLS MK 16 MOD 0 - SHORE TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: LRLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance training at shore stations by providing the pilot with more precise line-up information at a greater range. Installations funded and scheduled in FY00 at NALF Fentress, NALF San Clemente, NAS Whidbey Island, and NAS Lemoore.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III - JUNE 1999

	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
<i>RDT&E</i>																						
<i>PROCUREMENT</i>																						
INSTALLATION KITS (UNIT COST)						0.153																
INSTALLATION KITS					4	0.612															4	0.612
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE						0.260		0.098														0.358
OTHER - ILS						0.078																0.078
OTHER - ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP									4	0.200											4	0.200
TOTAL PROCUREMENT					4	0.950		0.098													4	1.248

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK 16 MOD 0 - SHORE MODIFICATION TITLE: LRLS - Shorebased

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: ALTERATION INSTALLATION TEAM (AIT)

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 1999: N/A

FY 2000: 12/99

FY 2001: N/A

DELIVERY DATE: FY 1999: N/A

FY 2000: 12/00

FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																						
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT							4	0.200													4	0.200
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP							4	0.200													4	0.200

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
						4																					4	4			
						2	1	1																							

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A		INDIVIDUAL MODIFICATION																								
MODELS OF SYSTEM AFFECTED:		NEW SYSTEM - CV(N)					TYPE MODIFICATION:					ENHANCED CAPABILITY					MODIFICATION TITLE:					VISUAL				
DESCRIPTION/JUSTIFICATION: The Virtual Imaging System for Approach and Landing (VISUAL) will provide ship's company launch and recovery personnel with enhanced images of aircraft in day, night, and low visibility conditions. VISUAL will utilize electro-optical sensors, advanced displays, and advance information / data networks. VISUAL will replace stand alone, aging systems/components currently found in ILARTS and LSO workstations. This is a modified Non-Developmental Item (NDI) procurement. 10 CV(N) - 12 L Class.																										
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <div style="float: right; text-align: right;">MS II - March 2000</div>																										
	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>					
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$				
FINANCIAL PLAN (IN MILLIONS)																										
RDT&E																										
PROCUREMENT																										
INSTALLATION KITS (UNIT COST)																										
INSTALLATION KITS																										
INSTALLATION KITS NONRECURRING																										
EQUIPMENT																										
EQUIPMENT NONRECURRING																										
ENGINEERING CHANGE ORDERS																										
DATA																										
TRAINING EQUIPMENT																										
SUPPORT EQUIPMENT																										
OTHER - PE																										
OTHER - ILS																										
OTHER - ATE																										
INTERIM CONTRACTOR SUPPORT																										
INSTALL COST - FMP																										
TOTAL PROCUREMENT																										

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM - CV(N) MODIFICATION TITLE: VISUAL

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD / AIT

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: N/A

DELIVERY DATE: FY 1999: N/A FY 2000: N/A FY 2001: N/A

(\$ in Millions)

Cost:	Prior Years			FY 1998			FY 1999			FY 2000			FY 2001			FY 2002			FY 2003			FY 2004			FY 2005			To Complete			Total		
	Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$		Qty	\$				
INSTALLATION SUPPORT																																	
PRIOR YEARS																																	
FY 1997 EQUIPMENT																																	
FY 1998 EQUIPMENT																																	
FY 1999 EQUIPMENT																																	
FY 2000 EQUIPMENT																																	
FY 2001 EQUIPMENT																																	
FY 2002 EQUIPMENT																																	
FY 2003 EQUIPMENT														*	0.058		0.236	2	1.750								2	2.044					
FY 2004 EQUIPMENT																*	0.148	*	0.236	3	2.250						3	2.634					
FY 2005 EQUIPMENT																		0.120	*	0.236	3	2.250				3	2.606						
TO COMPLETE																		*	0.103	14	12.572				14	12.675							
INSTALL COST - FMP														*	0.058	*	0.384	* 2	2.106	3	2.589	17	14.822			22	19.959						

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	17	22
Out																										1	1	1	1	17	22

* Installation funding based upon FY of start of availability vice hardware delivery, includes Design Services and Advance Planning.

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CLASSIFICATION: **UNCLASSIFIED**

P3A

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: NEW SYSTEM TYPE MODIFICATION: RECAPITALIZATION MODIFICATION TITLE: Moriah

DESCRIPTION/JUSTIFICATION:

Moriah integrates the measuring and display of Wind and Meterological information into one integrated system. Applicable platforms include 11 CV(N)s, 5 LHAs, 7 LHDs, 2 LCCs, and 2 AGFs. FY03 funded installations are for USS ABRAHAM LINCOLN (CVN 72), and USS GEORGE WASHINGTON (CVN 73), and USS HARRY S. TRUMAN (CVN 75).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS III - March 2002

	<u>FY 1997 & Prior</u>				<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
<u>RDT&E</u>						0.555		0.400		1.800		1.400		0.400										4.555
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)														0.272		0.279						0.133		0.197
INSTALLATION KITS													5	1.360	7	1.950					15	2.000	27	5.310
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE												0.124		0.268		0.271		0.133						0.796
OTHER - ILS												0.050		0.224		0.270		0.157						0.701
OTHER - ATE														0.075										0.075
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP												0.238		0.346	5	1.557	3	0.770	4	0.960	15	2.208	27	6.079
TOTAL PROCUREMENT												0.412	5	2.273	7	4.048		1.060		0.960	15	4.208	27	12.961

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM MODIFICATION TITLE: Moriah

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT / VRT

ADMINISTRATIVE LEADTIME: 5 MONTHS

PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: 03/01

DELIVERY DATE: FY 1999: N/A FY 2000: N/A FY 2001: 03/02

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT										0.050		0.050		0.050		0.050						0.200
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT									*	0.188	*	0.188	5	1.255							5	1.631
FY 2003 EQUIPMENT											*	0.108	*	0.252	3	0.720	4	0.960			7	2.040
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																			15	2.208	15	2.208
INSTALL COST - FMP									*	0.238	* 5	0.346	* 5	1.557	3	0.770	4	0.960	15	2.208	27	6.079

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In																															27
Out																														15	27

* Installation funding based upon FY of start of availability vice hardware delivery, includes Design Services and Advance Planning.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION																																										
MODELS OF SYSTEM AFFECTED:		<u>NEW SYSTEM</u>										TYPE MODIFICATION:		<u>RECAPITALIZATION</u>										MODIFICATION TITLE:		<u>Moriah - Shorebased</u>																
DESCRIPTION/JUSTIFICATION: Moriah integrates the measuring and display of Wind and Meterological information into one integrated system. Systems will be installed at Naval Training Center - Great Lakes, IL; Naval Aviation Technical Training Center (NATTC) - Lakehurst, NJ; and Naval Technical Training Unit - Keesler AFB.																																										
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>MS III - March 2002</u>																																										
	<u>FY 1997 & Prior</u>				<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>				<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>				<u>FY 2005</u>				<u>TC</u>				<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$		
FINANCIAL PLAN (IN MILLIONS)																																										
<u>RDT&E</u>																																										
<u>PROCUREMENT</u>																																										
INSTALLATION KITS (UNIT COST)																																										
INSTALLATION KITS																																										
INSTALLATION KITS NONRECURRING																																										
EQUIPMENT																																										
EQUIPMENT NONRECURRING																																										
ENGINEERING CHANGE ORDERS																																										
DATA																																										
TRAINING EQUIPMENT																																										
SUPPORT EQUIPMENT																																										
OTHER - PE																																										
OTHER - ILS																																										
OTHER - ATE																																										
INTERIM CONTRACTOR SUPPORT																																										
INSTALL COST - Non-FMP																																										
TOTAL PROCUREMENT																																										

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM MODIFICATION TITLE: Moriah - Shorebased

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT / VRT

ADMINISTRATIVE LEADTIME: 5 MONTHS

PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATES: FY 1999: N/A FY 2000: N/A FY 2001: 03/01

DELIVERY DATE: FY 1999: N/A FY 2000: N/A FY 2001: 03/02

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																						
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT													3	0.549							3	0.549
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP													3	0.549							3	0.549

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
In		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		3
Out																		2	1												3
																		1	1	1											3

P-3A

							DATE			February 2000
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE			SUBHEAD	
OP,N - BA3 AVIATION SUPPORT EQUIPMENT						METEOROLOGICAL EQUIPMENT 4226			53SP	
	PY	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TO COMP	TOTAL
QUANTITY										
COST (in millions)		\$27.9	\$31.3	\$30.9	\$31.1	\$31.2	\$32.5	\$33.2	Cont.	Cont.
PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:										
<p>This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations and all Navy ships and other activities required to take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:</p> <p>The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.</p> <p>The Tactical Environmental Support System (TESS) Upgrade - Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS. TESS Upgrades include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and afloat and ashore sites.</p> <p>The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R) / Moriah) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) / Moriah system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.</p> <p>Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the existing Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) will be a fully integrated, single van system capable of automatic data acquisition from communications channels providing METOC data, meteorological satellite, meteorological Doppler radar, and local and remote meteorological sensors. The METMF (R) will be equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.</p> <p>The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.</p> <p>METOC Air, Surface, Undersea Reconnaissance Equipment (MEASURE) is comprised of a diverse suite of off-board sensors and associated processing systems. MEASURE is used to obtain critical METOC data in denied or remote areas. The MEASURE project will provide ship/aircraft deployed drifting buoys, aircraft deployed hinterland clandestine micro sensors, and aircraft/ship deployed atmosphere profiling sensors.</p> <p>Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, procured safety of flight equipment, such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), and Mini-Rawin System (MRS) installed at all Navy and Marine Corps Air facilities worldwide. The Aviation Safety System Upgrades project will provide required system upgrades developed by the lead agency (in most cases, the National Weather Service). These periodic GOTS/COTS upgrades are essential to the continued use of the equipments.</p> <p>Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.</p>										

UNCLASSIFIED
CLASSIFICATION

COST ANALYSIS										DATE: February 2000			
B. APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 4226					SUBHEAD 53SP			
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS										
			PY		FY 1999			FY 2000			FY 2001		
			QTY	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SP051	AN/SMQ-11 UPGRADES - SPACE	A			VAR		2,596	VAR		2,434	VAR		2,719
SP190	TESS UPGRADES	A			VAR		10,212	VAR		11,099	VAR		12,218
SP200	SMOOS(R) / MORIAH	A			VAR		220	VAR		3,595	VAR		3,659
SP300	MET EQUIPMENT	N/A			VAR		6,756	VAR		5,569	VAR		4,551
SP500	SUPPLEMENTAL WEATHER RADAR	N/A			5	758.8	3,794	1	794	794			
SP525	MEASURE	N/A						VAR		950	VAR		967
SP550	AVIATION SAFETY SYS UPGRADES	N/A			VAR		1,011	VAR		1,097	VAR		1,322
SP777	INSTALLATION	N/A			VAR		3,326	VAR		5,790	VAR		5,424
SP776	NON-FMP	N/A			VAR		1,474	VAR		1,230	VAR		1,753
SP777	FMP	N/A			VAR		1,852	VAR		4,560	VAR		3,671
	FMP						1,752			4,435			3,544
	DSA						100			125			127
	TOTAL CONTROL						27,915			31,328			30,860
Remarks:													

PROCUREMENT HISTORY AND PLANNING											A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				SUBHEAD		
OP,N - BA3 AVIATION SUPPORT EQUIPMENT						METEOROLOGICAL EQUIPMENT 4226				53SP		
COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SP500	SUPPLEMENTAL WEATHER RADAR	99 00	ENTERPRISE ELEC., AL ENTERPRISE ELEC., AL	C/FFP/OP C/FFP/OP	SSC, Charleston SSC, Charleston	Jun-96 Jun-96	Nov-98 Nov-99	Mar-99 Mar-00	5 1	758,800 794,000	Yes Yes	N/A N/A
D. REMARKS												

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHIP)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
FINANCIAL PLAN: (\$ in millions)

	FY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment																						
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	0	0.0	0	0.0	28	0.7	28	0.9	28	0.4	28	0.6	28	0.6	28	0.6	28	0.6	0	0.0	196	4.3
PRIOR YR EQUIP			0	0.0																	0	0.0
FY 98 EQUIP					28	0.7															28	0.7
FY 99 EQUIP							28	0.9													28	0.9
FY 00 EQUIP									28	0.4											28	0.4
FY 01 EQUIP											28	0.6									28	0.6
FY 02 EQUIP													28	0.6							28	0.6
FY 03 EQUIP															28	0.6					28	0.6
FY 04 EQUIP																	28	0.6			28	0.6
FY 05 EQUIP																			28	0.6	28	0.6
FY TC EQUIP																	28	0.6			0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.7		0.9		0.4		0.6		0.6		0.6		0.6		0.0		4.3
TOTAL PROCUREMENT COST		0.0		0.0		3.3		3.3		3.1		2.0		2.6		2.7		2.8		0.0		19.8

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

DELIVERY DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

INSTALLATION SCHEDULE:

	FY 99				FY 00				FY 01			
PY	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	7	7	7	7	7	7	7	7	7	7	7	7
OUTPUT	7	7	7	7	7	7	7	7	7	7	7	7

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 04				FY 05				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	CONT	
OUTPUT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	CONT	

* Quantities reflect platforms.

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHORE)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The evolutionary upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment			VAR	0.9	VAR	0.5	VAR	1.0	VAR	1.2	VAR	0.7	VAR	0.7	VAR	0.7	VAR	0.7	CONT		VAR	6.4
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	0	0.0	26	0.6	25	0.1	25	0.6	19	0.3	19	0.2	19	0.2	19	0.2	19	0.2	0	0.0	171	2.5
PRIOR YR EQUIP			26	0.6																	0	0.0
FY 98 EQUIP																					25	0.1
FY 99 EQUIP					25	0.1															25	0.6
FY 00 EQUIP							25	0.6													19	0.3
FY 01 EQUIP									19	0.3											19	0.2
FY 02 EQUIP											19	0.2									19	0.2
FY 03 EQUIP													19	0.2							19	0.2
FY 04 EQUIP															19	0.2					19	0.2
FY 05 EQUIP																	19	0.2			19	0.2
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST		0.0		0.6		0.1		0.6		0.3		0.2		0.2		0.2		0.2		0.0		2.5
TOTAL PROCUREMENT COST		0.0		1.5		0.6		1.6		1.6		0.9		0.9		0.9		0.9		0.0		8.9

ADMINISTRATIVE LEADTIME:

VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999:

VAR

FY 2000:

VAR

FY 2001:

VAR

DELIVERY DATES:

FY 1999:

VAR

FY 2000:

VAR

FY 2001:

VAR

INSTALLATION SCHEDULE:

	PY	FY 99				FY 00				FY 01			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	26	6	6	6	7	6	6	6	7	4	5	5	5
OUTPUT	26	6	6	6	7	6	6	6	7	4	5	5	5

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 04				FY 05				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	4	5	5	5	4	5	5	5	4	5	5	5	4	5	5	5	CONT	
OUTPUT	4	5	5	5	4	5	5	5	4	5	5	5	4	5	5	5	CONT	

* Quantities reflect shore sites.

UNCLASSIFIED

Feb-00

MODIFICATION TITLE: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHIP)
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
FINANCIAL PLAN: (\$ in millions)

	<u>PY</u>		<u>FY 98</u>		<u>FY 99</u>		<u>FY 00</u>		<u>FY 01</u>		<u>FY 02</u>		<u>FY 03</u>		<u>FY 04</u>		<u>FY 05</u>		<u>TC</u>		<u>Total</u>	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	VAR	7.4	VAR	4.4	VAR	4.1	VAR	6.6	VAR	5.6	VAR	5.9	VAR	6.0	VAR	6.2	VAR	6.4	CONT			
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	54	2.3	28	2.3	28	1.2	28	3.7	28	2.2	28	1.8	28	1.8	28	1.8	28	1.8	0	0.0	54	2.3
PRIOR YR EQUIP	54	2.3	28	2.3	28	1.2	28	3.7	28	2.2	28	1.8	28	1.8	28	1.8	28	1.8			28	1.8
FY 98 EQUIP																					28	2.3
FY 99 EQUIP																					28	1.2
FY 00 EQUIP																					28	3.7
FY 01 EQUIP																					28	2.2
FY 02 EQUIP																					28	1.8
FY 03 EQUIP																					28	1.8
FY 04 EQUIP																					28	1.8
FY 05 EQUIP																					28	1.8
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST	2.3		2.3		1.2		3.7		2.2		1.8		1.8		1.8		1.8		0.0		0.0	
TOTAL PROCUREMENT COST	9.7		6.7		5.3		10.3		7.8		7.7		7.8		8.0		8.2		0.0		0.0	

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: VAR PRODUCTION LEADTIME: VAR

CONTRACT DATES: FY 1999: VAR FY 2000: VAR FY 2001: VAR

DELIVERY DATES: FY 1999: VAR FY 2000: VAR FY 2001: VAR

INSTALLATION SCHEDULE:	<u>PY</u>	<u>FY 99</u>				<u>FY 00</u>				<u>FY 01</u>			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	82	7	7	7	7	7	7	7	7	7	7	7	7
OUTPUT	82	7	7	7	7	7	7	7	7	7	7	7	7

INSTALLATION SCHEDULE:	<u>FY 02</u>				<u>FY 03</u>				<u>FY 05</u>				<u>FY 05</u>				<u>TC</u>	<u>TOTAL</u>
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	CONT	
OUTPUT	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	CONT	

* Quantities reflect platforms.

UNCLASSIFIED

Feb-00

MODIFICATION TITLE: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHORE)
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
 FINANCIAL PLAN: (\$ in millions)

	PY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	VAR	4.5	VAR	3.0	VAR	6.1	VAR	4.5	VAR	6.7	VAR	6.8	VAR	7.0	VAR	7.2	VAR	7.3	CONT			
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	98	2.7	49	0.6	77	0.9	77	0.5	77	1.2	77	1.2	77	1.2	77	1.2	77	1.2	0	0.0	98	2.7
PRIOR YR EQUIP	98	2.7	49	0.6	77	0.9	77	0.5	77	1.2	77	1.2	77	1.2	77	1.2	77	1.2			98	2.7
FY 98 EQUIP																					49	0.6
FY 99 EQUIP																					77	0.9
FY 00 EQUIP																					77	0.5
FY 01 EQUIP																					77	1.2
FY 02 EQUIP																					77	1.2
FY 03 EQUIP																					77	1.2
FY 04 EQUIP																					77	1.2
FY 05 EQUIP																					77	1.2
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST		2.7		0.6		0.9		0.5		1.2		1.2		1.2		1.2		1.2		0.0		0.0
TOTAL PROCUREMENT COST		7.2		3.6		7.0		5.0		7.9		8.0		8.2		8.4		8.5		0.0		0.0

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

DELIVERY DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

INSTALLATION SCHEDULE:

	PY	FY 99				FY 00				FY 01			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	147	19	19	19	20	19	19	19	20	19	19	19	20
OUTPUT	147	19	19	19	20	19	19	19	20	19	19	19	20

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 04				FY 05				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	19	19	19	20	19	19	19	20	19	19	19	20	19	19	19	20	CONT	
OUTPUT	19	19	19	20	19	19	19	20	19	19	19	20	19	19	19	20	CONT	

* Quantities reflect shore sites.

** Beginning in FY99, the TESS Upgrade architecture supports an increased number of shore sites in order to accommodate non-Oceanographers who previously did not have direct access to METOC data to support their tactical operations.

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION:

SP200 - SMOOS(R) / MORIAH (SHIP)

SMOOS(R) / MORIAH CONSISTS OF ENVIRONMENTAL SENSORS, AN AUTOMATED DATA ACQUISITION PROCESSING SYSTEM, MULTIPLE SYSTEM INTERFACES,
AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR ALL IDENTIFIED SHIP CLASSES AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
FINANCIAL PLAN: (\$ in millions)

	PY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment					VAR	0.2	VAR	3.4	VAR	3.5	VAR	3.5	VAR	4.7	VAR	5.2		0.0	CONT		VAR	20.6
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	39	1.2	42	2.0	41	1.8	55	2.1	55	2.2	0	0.0	232	9.2
PRIOR YR EQUIP																					0	0.0
FY 98 EQUIP																					0	0.0
FY 99 EQUIP																					0	0.0
FY 00 EQUIP																					0	0.0
FY 01 EQUIP									39	1.2											39	1.2
FY 02 EQUIP											42	2.0									42	2.0
FY 03 EQUIP													41	1.8							41	1.8
FY 04 EQUIP															55	2.1					55	2.1
FY 05 EQUIP																	55	2.2			55	2.2
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		1.2		2.0		1.8		2.1		2.2		0.0		9.2
TOTAL PROCUREMENT COST		0.0		0.0		0.2		3.4		4.7		5.5		6.5		7.2		2.2		0.0		29.8

ADMINISTRATIVE LEADTIME:

VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

DELIVERY DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

INSTALLATION SCHEDULE:

PY	FY 99				FY 00				FY 01			
	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

9 10 10 10

OUTPUT

9 10 10 10

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 04				FY 05				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		

INPUT 10 10 11 11 10 10 10 11 13 14 14 14 13 14 14 14 232

OUTPUT 10 10 11 11 10 10 10 11 13 14 14 14 13 14 14 14 232

UNCLASSIFIED

Feb-00

MODIFICATION TITLE:
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION:

SP200 - SMOOS(R) / MORIAH (SHORE)

SMOOS(R) / MORIAH CONSISTS OF ENVIRONMENTAL SENSORS, AN AUTOMATED DATA ACQUISITION PROCESSING SYSTEM, MULTIPLE SYSTEM INTERFACES, AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR ALL IDENTIFIED SHIP CLASSES AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
FINANCIAL PLAN: (\$ in millions)

	PY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment							VAR	0.2	VAR	0.1	VAR	0.2	VAR	0.2	VAR	0.3	VAR	0.0			VAR	1.0
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	3	0.1	7	0.2	9	0.3	8	0.2	8	0.2	0	0.0	35	1.0
PRIOR YR EQUIP																					0	0.0
FY 98 EQUIP																					0	0.0
FY 99 EQUIP																					0	0.0
FY 00 EQUIP																					0	0.0
FY 01 EQUIP									3	0.1											3	0.1
FY 02 EQUIP											7	0.2									7	0.2
FY 03 EQUIP													9	0.3							9	0.3
FY 04 EQUIP															8	0.2					8	0.2
FY 05 EQUIP																	8	0.2			8	0.2
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST	0.0		0.0		0.0		0.0		0.1		0.2		0.3		0.2		0.2		0.0		1.0	
TOTAL PROCUREMENT COST	0.0		0.0		0.0		0.2		0.2		0.4		0.5		0.5		0.2		0.0		1.9	

ADMINISTRATIVE LEADTIME: VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

DELIVERY DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

INSTALLATION SCHEDULE:

<u>PY</u>	<u>FY 99</u>				<u>FY 00</u>				<u>FY 01</u>			
	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

0 1 1 1

OUTPUT

0 1 1 1

INSTALLATION SCHEDULE:

	<u>FY 02</u>				<u>FY 03</u>				<u>FY 04</u>				<u>FY 05</u>				<u>TC</u>	<u>TOTAL</u>
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

2 2 2 1 2 2 3 2 2 2 2 2 2 2 2 2 2 35

OUTPUT

2 2 2 1 2 2 3 2 2 2 2 2 2 2 2 2 2 35

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Feb-00

MODIFICATION TITLE:
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION:

SP500 - SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
FINANCIAL PLAN: (\$ in millions)

	PY		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	4	3.3			5	3.9	1	0.8													10	7.9
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	4	0.1	0	0.0	5	0.3	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.4
PRIOR YR EQUIP	4	0.1																			0	0.0
FY 98 EQUIP																					0	0.0
FY 99 EQUIP					5	0.3															5	0.3
FY 00 EQUIP							1	0.1													1	0.1
FY 01 EQUIP																					0	0.0
FY 02 EQUIP																					0	0.0
FY 03 EQUIP																					0	0.0
FY 04 EQUIP																					0	0.0
FY 05 EQUIP																					0	0.0
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST		0.1		0.0		0.3		0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.4
TOTAL PROCUREMENT COST		3.4		0.0		4.2		0.9		0.0		0.0		0.0		0.0		0.0		0.0		8.4

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEADTIME: 4 MONTHS

CONTRACT DATES:

FY 1999: Nov-98 FY 2000: Nov-99 FY 2001:

DELIVERY DATES:

FY 1999: Mar-99 FY 2000: Mar-00 FY 2001:

INSTALLATION SCHEDULE:

	FY 99				FY 00				FY 01			
PY	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

4 3 2 1

OUTPUT

2 2 3 2 1

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 02				FY 03				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

10

OUTPUT

10

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Feb-00

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed safety of flight equipment, such as NEXRAD, ASOS and MRS, installed at 50 Navy and Marine Corps Air facilities worldwide.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
 FINANCIAL PLAN: (\$ in millions)

	<u>PY</u>		<u>FY 98</u>		<u>FY 99</u>		<u>FY 00</u>		<u>FY 01</u>		<u>FY 02</u>		<u>FY 03</u>		<u>FY 04</u>		<u>FY 05</u>		<u>TC</u>		<u>Total</u>	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment					VAR	1.0	VAR	1.1	VAR	1.3	VAR	1.3	VAR	1.4	VAR	1.4	VAR	1.4	CONT		VAR	9.0
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Other																						
Interim Contractor Support																						
Installation of Hardware*	0	0.0	0	0.0	50	0.2	50	0.0	50	0.1	50	0.2	50	0.2	50	0.2	50	0.2	0	0.0	350	1.2
PRIOR YR EQUIP																					0	0.0
FY 98 EQUIP																					0	0.0
FY 99 EQUIP					50	0.2															50	0.2
FY 00 EQUIP							50	0.0													50	0.0
FY 01 EQUIP									50	0.1											50	0.1
FY 02 EQUIP											50	0.2									50	0.2
FY 03 EQUIP													50	0.2							50	0.2
FY 04 EQUIP															50	0.2					50	0.2
FY 05 EQUIP																	50	0.2			50	0.2
FY TC EQUIP																					0	0.0
TOTAL INSTALLATION COST	0.0		0.0		0.2		0.0		0.1		0.2		0.2		0.2		0.2		0.0		1.2	
TOTAL PROCUREMENT COST	0.0		0.0		1.2		1.1		1.4		1.5		1.6		1.6		1.7		0.0		10.2	

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

VAR

PRODUCTION LEADTIME:

VAR

CONTRACT DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

DELIVERY DATES:

FY 1999: VAR

FY 2000: VAR

FY 2001: VAR

INSTALLATION SCHEDULE:

	<u>FY 99</u>				<u>FY 00</u>				<u>FY 01</u>			
<u>PY</u>	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	12	12	13	13	12	12	13	13	12	12	13	13
OUTPUT	12	12	13	13	12	12	13	13	12	12	13	13

INSTALLATION SCHEDULE:

	<u>FY 02</u>				<u>FY 03</u>				<u>FY 04</u>				<u>FY 05</u>				<u>TC</u>	<u>TOTAL</u>
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13	CONT	
OUTPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13	CONT	

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BUDGET ITEM JUSTIFICATION SHEET								DATE: February 2000				
P-40												
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT							OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	68.0		0.8	0.6	1.7	1.7	1.7	1.8	1.8	1.8	10.1	90.0
<p>OTHER PHOTOGRAPHIC EQUIPMENT</p> <p>The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). The main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training, and Public Affairs Office (PAO).</p> <p>Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within the Executive Branch of the government including CNO, SECNAV, JCS, National Military Command Center, and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at the local, theater, and global levels (CVBG, CINC, and JCS).</p> <p>Digital technology will generate less environmentally damaging effluents than traditional photographic processes and will have no impact on shipboard water consumption. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.</p> <p>In order to fully utilize the film technology employed on ships, a two phase transition plan will be implemented. An interim photo lab will be installed to interface with existing film technology which will allow the ships to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability will determine the installation schedule. Phase II digital capability began in late FY95/early FY96 and will be completed in FY03.</p> <p>Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipment/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in FY95. Phase II began in FY95 and continues beyond the FYDP.</p> <p>NOTE: Due to the Navy's decision to combine small programs, funding previously provided under Y3S4 (Rwson Photographic Equipment) for FY00-05 has been moved to Y3SX.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40 (Continued)		DATE: February 2000
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX	
Program Element for Code B Items:	Other Related Program Elements	
<p>REWSON: Reconnaissance Electronic Warfare Special Operations Navy</p> <p>This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.</p> <p>Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.</p> <p>This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).</p> <p>The FY00-01 funds are to continue phased procurement to meet needed inventory objectives.</p> <p>NOTE: Due to the Navy's decision to combine small programs, all Y3S4 funds for FY00-05 have been moved to Y3SX (Other Photographic Equipment).</p>		

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY BA-3 - AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SX008	PHOTO EQUIPMENT UNDER \$100K	A	301			10			3			31			0
SX019	DIGITAL COLOR PRINTER	A	268			0			0			0			0
SX020	DIGITAL PHOTO LAB WORKSTATION	A	3,726	2	140	280	2	140	280	3	142	427	3	144	433
SX021	DIGITAL SLR COLOR CAMERA	A	1,728	10	27	270	3	26	78	2	26	53	2	26	53
SX050	MISC SMALL EQUIP & ECPS (PREVIOUS S4019 OF Y3S4) *	A										119			147
SX100	DIGITAL CAMERA RECEIVING STATION (PREVIOUS S4100 OF Y3S4) *	A								4	165	660	4	168	671
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT		639			69			41			59			48
SX900	INSTALLATION (NON-FMP)		2,934			149			213			327			330
	VARIOUS OTHER COSTS, FY 97 & PRIOR OTHER PHOTOGRAPHIC EQUIPMENT**		58,442												
* Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.															
** The amount identified against this cost element reflects total prior year funding associated with OTHER PHOTOGRAPHIC EQUIPMENT cost elements no longer financed in FY 1997 and beyond.															
Note: Totals may be off due to rounding															
			68,038			778			615			1,676			1,682

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY BA 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
DIGITAL PHOTO LAB WORKSTATION										
SX020/FY 1998	2	140.0	NRAD, Philadelphia	Apr-98	C/MIPR/FP	Various	Jun-98	Sep-98	YES	N/A
SX020/FY 1999	2	140.0	NRAD, Philadelphia	Apr-99	C/MIPR/FP	Various	Jun-99	Sep-99	YES	N/A
SX020/FY 2000	3	142.0	NRAD, Philadelphia	Apr-00	C/MIPR/FP	Various	Jun-00	Sep-00	YES	N/A
SX020/FY 2001	3	144.0	NRAD, Philadelphia	Apr-01	C/MIPR/FP	Various	Jun-01	Sep-01	YES	N/A
DIGITAL SLR COLOR CAMERA										
SX019/FY 1998	10	27.0	NRAD, Philadelphia	Apr-98	C/MIPR/FP	Eastman Kodak, Rochester	Jun-98	Sep-98	YES	N/A
SX019/FY 1999	3	26.0	NRAD, Philadelphia	Apr-99	C/MIPR/FP	Eastman Kodak, Rochester	Jun-99	Sep-99	YES	N/A
SX019/FY 2000	2	26.0	NRAD, Philadelphia	Apr-00	C/MIPR/FP	Eastman Kodak, Rochester	Jun-00	Sep-00	YES	N/A
SX019/FY 2001	2	26.0	NRAD, Philadelphia	Apr-01	C/MIPR/FP	Eastman Kodak, Rochester	Jun-01	Sep-01	YES	N/A
DIGITAL CAMERA RECEIVING STATION										
SX100/FY 2000	4	165.0	SPAWAR Det., Phil	Apr-00	C/MIPR/FP	Various	Jun-00	Sep-00	YES	N/A
SX100/FY 2001	4	168.0	SPAWAR Det., Phil	Apr-01	C/MIPR/FP	Various	Jun-01	Sep-01	YES	N/A
D. REMARKS										
Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.										

FY 2001 DEPARTMENT OF THE NAVY BUDGET PRODUCTION SCHEDULE, P-21										Date: Feb 2000	
APPROPRIATION/BUDGET ACTIVITY					Weapon System		P-1 ITEM NOMENCLATURE				
OTHER PROCUREMENT/AVIATION SUPPORT EQUIPMENT							OTHER PHOTOGRAPHIC EQUIP - Y3SX				
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
Digital Photo Lab Workstation	Various		N/A			9	3	3	12	EA	
Digital SLR Color Camera	Eastman Kodak, Rochester		N/A			9	3	3	12	EA	
Digital Camera Receiving Station	Various	N/A	N/A	N/A		9 mos	3 mos	3 mos	12 mos	EA	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L		
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
						Digital Photo Lab Workstation	98	N	2	0	2										A											
Digital Photo Lab Workstation	99	N	2	0	2																							A			2	0
Digital SLR Color Camera	98	N	10	0	10										A																	0
Digital SLR Color Camera	99	N	3	0	3																							A			3	0

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L				
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
						Digital Photo Lab Workstation	00	N	3	0	3											A												
Digital Photo Lab Workstation	01	N	3	0	3																								A			3	0	
Digital SLR Color Camera	00	N	2	0	2											A																	0	
Digital SLR Color Camera	01	N	2	0	2																								A			2	0	
Digital Camera Receiving Station	00	N	4	0	4											A																	0	
Digital Camera Receiving Station	01	N	4	0	4																									A			4	0

Remarks:
Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.

CLASSIFICATION: **UNCLASSIFIED**

P3A	INDIVIDUAL MODIFICATION	
MODELS OF SYSTEM AFFECTED: <u>CVs, CVNs</u>	TYPE MODIFICATION: _____	MODIFICATION TITLE: <u>Digital Photo Lab (Phase II)</u> Date: Feb 2000
DESCRIPTION/JUSTIFICATION: This procurement funds the equipment and installation to transition CV/CVN Photo Lab from traditional "wet" film to digital imagery.		
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: (Phase I completed FY 95)		

	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN THOUSANDS)																						
<u>RD&E</u>																						
<u>PROCUREMENT</u>																						
INSTALLATION KITS	27	3.726	2	0.280	2	0.280	3	0.427	3	0.433	3	0.437	3	0.447	3	0.456	3	0.466	5	0.790	54	7.742
INSTALLATION KITS - UNIT COST		0.138		0.140		0.140		0.142		0.144		0.146		0.149		0.152		0.155		0.158		0.143
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT		60.739		0.280		0.084		0.871		0.891		0.911		0.925		0.957		0.982		8.447		75.087
FIELD ACTIVITY SUPPORT		0.639		0.069		0.041		0.059		0.048		0.059		0.066		0.070		0.072		0.243		1.366
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	27	2.934	2	0.149	2	0.213	3	0.327	3	0.330	3	0.333	3	0.336	3	0.340	3	0.344	5	0.572	54	5.878
TOTAL PROCUREMENT		68.038		0.778		0.618		1.684		1.702		1.740		1.774		1.823		1.864		10.052		90.073

Note: Totals may be off due to rounding.

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION (Continued)																								
MODELS OF SYSTEMS AFFECTED: <u>CVs, CVNs, CNET, PNCLA</u>											MODIFICATION TITLE: <u>Digital Photo Lab (Phase II)</u>													
Date: Feb 2000																								
INSTALLATION INFORMATION:																								
METHOD OF IMPLEMENTATION: <u>Depot Field Team</u>																								
ADMINISTRATIVE LEADTIME: <u>9 Months</u>											PRODUCTION LEADTIME: <u>3 Months</u>													
CONTRACT DATES: FY 1999: <u>June 99</u>											FY 2000: <u>June 00</u>													
DELIVERY DATE: FY 1999: <u>Sep 99</u>											FY 2000: <u>Sep 00</u>													
(\$ in Millions)																								
Cost:	Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS	27	2.934																					27	2.934
FY 1998 EQUIPMENT					2	.149																	2	.149
FY 1999 EQUIPMENT							2	.213															2	.213
FY 2000 EQUIPMENT									3	.327													3	.327
FY 2001 EQUIPMENT											3	.330											3	.330
FY 2002 EQUIPMENT													3	.333									3	.333
FY 2003 EQUIPMENT															3	.336							3	.336
FY 2004 EQUIPMENT																	3	.340					3	.340
FY 2005 EQUIPMENT																			3	.344			3	.344
TO COMPLETE																					5	0.572	5	0.572

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	
In	29	0	0	0	2	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	5	54
Out	29	0	0	0	2	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	5	54

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/Aviation Support Equipment			DATE: February 2000	
P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX				Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos	
Digital SLR Color Camera	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	10	3	2	2	2	2	2	2
Unit Cost	27	26	24	24	24	19	19	19
Total Cost	270	78	48	48	48	38	38	38
Asset Dynamics								
Beginning Asset Position	64	63	55	46	42	38	34	30
Deliveries from all prior year funding	10	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	3	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	2	0	0	0	0	0
Deliveries from FY 2001 funding	0	0	0	2	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	2	2	2	2
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	11	11	11	6	6	6	6	2
End of Year Asset Position	63	55	46	42	38	34	30	30
Inventory Objective or Current Authorized Allowance	108	108	108	108	108	108	108	108
Inventory Objective 108	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other: 108	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								
Inventory objective equals: Nine cameras per CV/CVN (9*12) 108								
Attrition based on historical average.								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY - 3 AIRCRAFT PROCUREMENT, NAVY				DATE: February 2000	
P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX			Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos		
Digital Camera Receiving Station	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	0	0	4	4	4	4	4	4
Unit Cost	0	0	165	170	175	180	185	190
Total Cost	0	0	660	680	700	720	740	760
Asset Dynamics								
Beginning Asset Position	0	0	9	13	17	21	25	29
Deliveries from all prior year funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	4	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	4	4	4	4	4
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	0	0	13	17	21	25	29	33
Inventory Objective or Current Authorized Allowance	0	0	54	54	54	54	54	54
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other: 54	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								
Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.								
Inventory objective of 54 equals:								
Four digital base stations per ship (4*12=48)	48							
Two digital base stations each for three shore activities (2*3=6)	6							
	54							

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY 424400							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0		\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.
<p>This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.</p> <p>NEW SURVIVAL RADIO - SY030 - Non-developmental acquisition to replace the PRC-90 and PRC-90-2 with a state of the art survival radio. This will be a non-combat radio to complement the PQR-7 (Combat Survivor Evader Locator (CSEL) radio. Historically, the Navy has used the PRC-90 to complement the PRC-112, which the PQR-7 will replace. Major off the shelf technology insertion will be the addition of Cosmicheskaya Systema Poiska Avariynyich (COSPAS) Search and Rescue Statellite Aided Tracking (SARSAT) 460 MHZ capability. The location of downed aircrew will now be known within 100 meters and 20 minutes of radio beacon activation thereby greatly reducing time to recover downed aircrew and increasing their probability of safe recovery. This purchase also includes a beacon which replaces the antiquated URT-33 ejection seat beacon used to signal when an aircrew has ejected from the aircraft and an adapter which, replaces the PRC-125, satisfying the peculiar mission of the in water rescue swimmer.</p> <p>PRC-112 UPGRADES - SY048 - Program to fix water intrusion and frequency problems in the basic PRC-112 radio. The following items were changed: (1) replaced the back cover gasket and resurfaced the mating area to ensure good gasket seal; (2) Replaced the current on/off knob with a smaller knob to ameliorate the reported problem of inadvertent radio activation and battery depletion; (3) installation of a resistor to correct 121.5 MHz frequency hopping; and (4) final functional test to ensure RFI prior to fleet return. The Radios that complete this program are re-identified as PRC-112C.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY 424400							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.
<p>COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060</p> <p>- The Combat Survivor Evader Locator (CSEL) Radio system provides U.S. forces with secure, encrypted, low probability of detection, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-site voice and beacon capability to support survival, evasion, and personnel recovery operations. This is a joint Program with the Air Force as lead. The CSEL system is composed of a battery operated hand held radio (HHR) (AN/PQR-7), a radio set adapter (RSA) (J-6431/PQR-7, a GPS antenna and coupler, and a laptop CPU with software for loading the HHR. The HHR will weigh 30.7 ounces and can be of comparable size to other SATCOM radios (8x3.5x1.75"). CSEL will require a key fill device and will have improved jam and spoofing resistance by incorporating the next-generation GPS Selective Availability Anti-Spoofing Module (SAASM).</p> <p>LASER EYE PROTECTION (LEPIP) -SY080</p> <p>-Laser Eye Protection Improvement Program (LEPIP) EDU-5/P Spectacles. This is a USN/USMC Abbreviated Acquisition Program (AAP). The EDU-5/P spectacles are designed to provide day and night multiple wavelength, low energy protection for fixed and rotary wing aircrew in a fixed, multi-wavelength laser threat environment. The spectacles are designed to cause minimal visual and physical encumbrance, and be compatible with current Navy Aviation Life Support Equipment (ALSE), aircraft visual displays and night vision systems. The EDU-5/P spectacles will replace the currently available FV2 laser spectacles which have performance limitations which include 1) day use only, 2) significant color perception distortion of the cockpit display or scene being viewed, 3) incompatibility with Chemical Biological Radiological (CBR) protective assembly, 4) incompatibility with night vision goggles (NVGs), 5) significant reduction of cockpit displays light levels, and 6) hot spot discomfort around the ears from the temple arms. In addition, the EDU-5/P spectacles provide seven (7) wavelength protection as opposed to five (5) wavelength protection provided by the FV2 spectacles. Congress gave us additional funding for FY01 & FY02 for the Reduction in Total Ownership Cost (R-TOC) for hard coating of the lenses. -This Smart Work initiative involves replacing existing hard (scratch resistant) lens coating with one being developed by Triton Systems, Inc. Triton is a Small Business Innovative Research (SBIR) contractor that is developing an improved abrasion/scratch resistant and anti-reflective protective lens coating. The expectation is that service life can be increased at least four years for both the spectacles and the visors. Savings/cost avoidance will be realized through procuring fewer replacements and extending the service life of the laser protection spectacles and visors. The effect on readiness will be performance enhancement. The scratch resistant and glare reduced lenses will improve the vision of the pilot inside and outside the cockpit.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY 424400							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.
<p>JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPV) - SY085 -Joint Service Aircrew Low Energy Multiple Wavelength Advanced Laser Eye Protection Visor (JALEPV) Program. The JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems.</p> <p>HELICOPTER EMERGENCY EGRESS DEVICE P3 (HEEDS P31) - SY110 -HEEDS is a compact, lightweight breathing assembly intended for emergency use of helicopter and E-2C aircrew personnel in the event of a crash landing over water. It will aid in the safe egress of the aircrew member from a submerged aircraft. The Helicopter Aircrew Breathing Device (HABD), is a self contained 3000 psi cylinder breathing device, and a P3I effort to the HEED Program; HABD provides 1-3 minutes of breathing air for use in an emergency aircraft submergency situation.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY 424400							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.
<p>AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120 -An optimized vest/armor system with modular stowage capability for the mission specific requirements of combat helicopter aircrews. Its successor is the Protective Assembly, Aircrew Survival Armor, which is a Tri-Service program designed to be a P3I effort to the AISAP, Survival Armor Vest Improvement Program (SARVIP) and Aircrew Integrated Recovery Survival Armor Vest and Equipment (AIRSAVE) survival vests presently in our aircraft communities. The Protective Assembly, Aircrew Survival Armor consists of a Survival Vest (Type I or II), Small Arms Protective Soft Body Armor, Small Arms Protective Hard Body Armor and specific Life Preserver assemblies; system designed to protect the wearer from small arms fire and fragmentation, including high velocity shrapnel from anti-aircraft rounds. It is made of fire retardant treated nylon Raschel mesh and nylon webbing and Aramid (Nomex) binding tape. Includes an easily removable hoisting harness. The soft body armor provides Level IIIA ballistic protection while the hard body armor gives Level IV ballistic protection.</p> <p>PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS) - SY130 -PATSS is a yoke type preserver assembly which includes the following survival items: sea-dye marker, whistle and chemlight, stowed in an attached survival pouch. This preserver is authorized for use by passengers and troops in a helicopter or transport type aircraft for sea survival situations. PATSS provides superior buoyancy and auto-rotational characteristics. The PATSS also has improved donning/doffing capabilities, which eliminate the requirement to remove the helmet or eyewear, and increased duplicity and redundancy in the design for the zipper, dual cell bladder and oral inflation tubes.</p>												

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY 424400							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.
<p>PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS) NDI - SY140 - PAESS is a constant wear emergency flotation platform, which will be used to protect non-aircrew personnel being transported as passengers in Carrier on Board Delivery/Vertical on Board Delivery (COD/VOD) aircraft, to, from and between ships at sea. This system will increase the survivability of these passengers by fulfilling such requirements as providing protection from hypothermia, being easily donned and doffed, and capable of underwater egress. This is a new Non-Developmental Item Purchase.</p> <p>AVIATION RESCUE SWIMMERS' DRY SUIT (ARSD) PROGRAM - SY155 -The Aviation Rescue Swimmers' Dry Suit Program (ARSD) is a non developmental acquisition program, designed to provide the Aviation Rescue Swimmers constant wear, dry suit anti-exposure system, which is capable of: (1) providing protection to the wearer from adverse environment and physiological factors, (2) being compatible with existing survival equipment, and (3) being worn while the aircrew performs collateral duties (vertical replenishments, passenger transfers).</p> <p>NAVY COMBAT EDGE [NCE] - SY-170 - The NCE is an integrated aircrew flight ensemble designed to increase aircrew protection from the physiological hazards associated with high positive acceleration (+G) forces. During exposure to +G acceleration, blood pooling occurs in the lower portions of the body depriving the brain of an adequate supply of oxygenated blood and causing a loss of vision followed by loss of consciousness. The NCE provides enhanced acceleration protection through the use of Assisted Positive Pressure Breathing (APPB), a counter pressure vest and an anti-G-garment. The NCE system consists of several individual components (HGU-87/P helmet and KMU-561 modification kit; MBU-24/P oxygen mask; CSU-21/P counter pressure vest; CRU-103/PG compression oxygen breathing regulator; CSU-120/P lower anti -G garment; and Anti-G valve).</p>												

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UNCLASSIFIED**BUDGET ITEM JUSTIFICATION SHEET****P-40**

DATE:

FEBRUARY 2000

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY 424400

P-1 ITEM NOMENCLATURE

AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:

BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

NIGHT VISION DEVICES (NVD) TACTICAL - SY210

-These Night Vision Devices (NVD) provides U.S. Navy personel with a helmet-mounted night vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operational limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism, objective lens with a leaky green filter that enables fixed wing aviators to view heads-up displays (HUD) while wearing the system, and comes with a detachable helmet mount. The system is fully adjustable by the operator to accomodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting, and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

NIGHT VISION GOGGLES (NVG) SUPPORT EQUIPMENT - SY211

-This Night Vision Goggle support equipment for the TACAIR platforms, for Intermediate level maintenance.

NIGHT VISION GOGGLES (NVG), ROTARY -SY 212

- This Night Vision Goggles (NVG) provides U.S. Navy rotary wing personnel with a helmet-mounted vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operating limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

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UNCLASSIFIED**BUDGET ITEM JUSTIFICATION SHEET****P-40**

DATE:

FEBRUARY 2000

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY 424400

P-1 ITEM NOMENCLATURE

AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:

BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.0	0	\$10.3	\$22.7	\$36.8	\$20.4	\$21.1	\$23.0	\$26.3	\$26.8	Cont.	Cont.

LOW PROFILE FLOTATION COLLAR (LPFC) - SY220

- The LPU-33/P and the LPU-34/P (LPFC) are the replacements for the LPU-21/23/P Life Preservers. The LPU-33/34 consists of multiple components compactly packed into an exterior cover assembly. The flotation assembly consists of two independent inflatable bladders that when inflated provide 65 pounds of buoyancy. The LPU-33/P utilizes two FLU-8B/P automatic/manual inflation assemblies, one for each bladder. The LPU-34/P utilizes two manual inflation assemblies. The packed assembly is worn around the users neck and rests on his upper chest. This configuration is light weight and compact and allows pockets for survival items to be mounted where the LPU-21/23 waist lobes used to be.

MA-16 INERTIA REEL - SY300

- The MA-16 is a multi-directional locking reel that automatically reacts to airframe deceleration from either one or all axis simultaneously. The MA-16 also features a strap acceleration-locking feature and incorporates a lock/unlock handle assembly. The MA-16 was dynamically tested to 10 years service life, utilizes an identical footprint and profiles to nearly all its predecessors and is the only available inertial reel that is compliant to MIL-R-8236, Revision F.

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS 43SY					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
NEW SURVIVAL RADIO	A											
TOTAL COST (\$K)		0	3,026	1,971	4,181	7,811	8,719	0	0	0	13917	39625
QUANTITY		0	46	680	2200	4300	4920	0	0	0	7854	20000
PRC-112 UPGRADES	A											
TOTAL COST (\$K)		200	515	0	498	498	304	0	0	0	0	2015
QUANTITY		800	1952	0	728	728	444	0	0	0	0	4652
C-SEL	B											
TOTAL COST (\$K)		0	0	0	0	3,157	2,965	16,402	18,890	20,483	3146	65043
QUANTITY		0	0	0	0	200	260	2445	2736	2936	451	9028
LASER EYE PROTECT. *	A											
TOTAL COST (\$K)		331	0	2,051	1,838	930	1170	0	0	0	0	6320
QUANTITY		320	0	1920	2060	0	0	0	0	0	0	4300
JALEPV	B											
TOTAL COST (\$K)		0	0	0	612	1048	1048	1048	1048	1048	262	6114
QUANTITY		0	0	0	350	600	600	600	600	600	150	3500
HEED P3I	A											
TOTAL COST (\$K)		2,429	0	690	0	0	0	0	0	0	0	3119
QUANTITY		6000	0	2000	0	0	0	0	0	0	0	8000
AISAP (BODY ARMOR)	A											
TOTAL COST (\$K)		2,390	1,138	463	571	185	390	0	0	0	0	5137
QUANTITY		1550	758	450	439	142	300	0	0	0	0	3639
PATSS	A											
TOTAL COST (\$K)		914	0	539	0	0	0	0	0	0	0	1453
QUANTITY		5483	0	3053	0	0	0	0	0	0	0	8536
PAESS (NDI)	A											
TOTAL COST (\$K)		0	0	0	544	580	580	526	526	0	0	2756
QUANTITY		0	0	0	750	800	800	725	725	0	0	3800
* Laser Eye Protection includes R-TOC. The funding in FY01 and FY02 is a TOC initiative that will be for hard coating of lens, no additional quantities will be procured												

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 2000				
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT							AVIATION LIFE SUPPORT SYSTEMS 43SY					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
SWIMMERS DRY SUIT	A											
TOTAL COST (\$K)		33	0	0	49	65	65	49	0	0	0	261
QUANTITY		51	0	0	75	100	100	74	0	0	0	400
NAVY COMBAT EDGE	A											
TOTAL COST (\$K)		1,261	1,417	1,206	1,550	1,002	0	0	0	0	0	6436
QUANTITY		0	330	303	409	246	0	0	0	0	0	1288
NVD (TACTICAL)	A											
TOTAL COST (\$K)		2,065	1564	4,342	1,264	0	0	0	0	0	0	9235
QUANTITY		226	234	670	195	0	0	0	0	0	0	1325
NVG SUPPORT EQUIP	A											
TOTAL COST (\$K)		0	0	1,576	0	0	0	0	0	0	0	1576
QUANTITY		0	0	65	0	0	0	0	0	0	0	65
NVG (ROTARY) *	B											
TOTAL COST (\$K)		0	0	3,737	14,292	3,094	3,031	2,933	4,837	4,214	1,575	37713
QUANTITY		0	0	575	2045	442	433	419	691	602	225	5432
LOW PROFILE	A											
FLOTATION COLLAR												
TOTAL COST (\$K)		752	356	1,440	1,841	0	0	0	0	0	0	4389
QUANTITY		2305	1067	4126	4602	0	0	0	0	0	0	12100
MA-16 INERTIA REEL	B											
TOTAL COST (\$K)		0	0	0	6,000	0	0	0	0	0	0	6000
QUANTITY		0	0	0	5700	0	0	0	0	0	0	5700
OTHER COSTS		103,303										
PRODUCTION SUPPORT		15,382	2,252	4,281	2,984	1,844	2,618	1,941	977	1,052	cont.	cont.
TEST AND EVALUATION		0	0	410	361	160	165	115	0	0	cont.	cont.
TOTAL FUNDING		129,060	10,268	22,706	36,847	20,374	21,055	23,014	26,278	26,797	cont.	cont.

* Includes the Congressional plus up in FY00

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: FEBRUARY 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD AVIATION LIFE SUPPORT SYSTEMS 43SY								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
SY030	NEW SURVIVAL RADIO	A	0	46	65,782	3,026	680	2,898	1,971	2,200	1,900	4,181	4,300	1,816	7,811	
SY048	PRC-112 UPGRADES	A	200	1,952	263	515	0	0	0	728	684	498	728	684	498	
SY060	CSEL	B	0	0	0	0	0	0	0	0	0	0	200	15,785	3,157	
SY080	LASER EYE PROTECTION *	A	331	0	0	0	1,920	1,068	2,051	2,060	892	1,838	0	0	930	
SY085	JALEPV	B	0	0	0	0	0	0	0	350	1,748	612	600	1,746	1,048	
SY110	HEEDS	A	2,429	0	0	0	2,000	345	690	0	0	0	0	0	0	
SY120	AISAP (BODY ARMOR)	A	2,390	758	1,501	1,138	450	1,028	463	439	1,300	571	142	1,302	185	
SY130	PATSS	A	914	0	0	0	3,053	176	539	0	0	0	0	0	0	
SY140	PAESS (NDI)	B	0	0	0	0	0	0	0	750	725	544	800	725	580	
SY155	RESCUE SWIMMERS' DRY SUIT	B	33	0	0	0	0	0	0	75	653	49	100	650	65	
SY170	NAVY COMBAT EDGE (NCE)	A	1,261	330	4,293	1,417	303	3,980	1,206	409	3,789	1,550	246	4,073	1,002	
SY210	NIGHT VISION DEVICES (TACTICAL)	A	2065	234	6,683	1,564	670	6,480	4,342	195	6,482	1,264	0	0	0	
SY211	NIGHT VISION SUPPORT EQUIPMENT	B	0	0	0	0	65	24,246	1,576	0	0	0	0	0	0	
SY212	NIGHT VISION GOGGLES (ROTARY) **	A	0	0	0	0	575	6,499	3,737	2,045	6,989	14,292	442	7,000	3,094	
SY220	LOW PROFILE FLOTATION COLLAR	A	752	1067	333	356	4,126	349	1,440	4,602	400	1,841	0	0	0	
SY300	MA-16 INERTIA REEL	B	0	0	0	0	0	0	0	5,700	1,052	6,000	0	0	0	
SY830	PRODUCTION SUPPORT SERVICES		15,382			2,252			4,281			3,246			1,844	
SY860	TEST AND EVALUATION		0			0			410			361			160	
	OTHER COSTS		103,303													
* SY080 - Includes R-TOC. Funding in FY01 is a TOC initiative that will be for hard coating of the lens, no additional quantities will be procured.																
** SY212 - Includes the Congressional Plus-Up in FY00																
			129,060			10,268			22,706			36,847			20,374	

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE FEBRUARY 2000		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY030 NEW SURVIVAL RADIO										
FY-1998	46	65.78	NAVAIR	10/97	FFP	TADIRAN SPECTRALINK	6/98	12/98	YES	N/A
FY-1999	680	2.89	NAVAIR	N/A	OPTION	HOLON, ISRAEL	9/99	6/00	YES	N/A
FY-2000	2200	1.9	NAVAIR	N/A	OPTION		12/99	8/00	YES	N/A
FY-2001	4300	1.81	NAVAIR	N/A	OPTION		11/00	7/01	YES	N/A
SY048 PRC-112 UPGRADES										
FY - 1998	1952	0.26	US ARMY, TOBY	N/A	MIPR	US ARMY, TOBYHANNA	04/98	04/99	YES	N/A
FY-2000	728	0.68	US ARMY, TOBY	N/A	MIPR		04/00	04/01	YES	N/A
FY-2001	728	0.68	US ARMY, TOBY	N/A	MIPR		04/01	04/02	YES	N/A
SY060 COMBAT SURVIVOR EVADER LOCATOR										
FY-2001	200	15.78	AFMS/SMC LAAFB	N/A	OPTION	BOEING NORTH AMERICAN, ANAHEIM, CA	12/01	3/02	YES	N/A
SY080 LASER EYE PROTECTION										
FY-1999	1920	1.06	NAVAIR	N/A	OPTION	KAISER	5/99	01/00	YES	N/A
FY-2000	2060	0.89	NAVAIR	N/A	OPTION	ANN ARBOR, MI	5/00	01/01	YES	N/A
FY-2001 R-TOC	0	0	NAVAIR	N/A	OPTION		5/01	01/02	YES	N/A
SY085 JALEPV										
FY-2000	350	1.74	NAVAIR	N/A	CPFF	AOTEC	5/00	7/00	YES	N/A
FY-2001	600	1.74	NAVAIR	N/A	OPTION	SOUTHBRIDGE, MASS	1/01	7/01	YES	N/A

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE FEBRUARY 2000		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY110 HEEDS FY-1999	2000	0.34	NAWCAD/PAX	N/A	FFP	U.S. DIVERS CO VISTA, CA	3/99	4/99	YES	N/A
SY120 AISAP (ARMOR) FY-1998	758	1.5	DPSC, PHIL	02/97	C/FP	VARIOUS	12/97	07/98	YES	N/A
FY-1999	450	1.02	DPSC, PHIL	N/A	OPTION	VARIOUS	12/98	05/99	YES	N/A
FY-2000	439	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	02/00	07/00	YES	N/A
FY-2001	142	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	12/00	5/01	YES	N/A
SY130 PATSS FY-1999	3053	0.17	NAVICP, PHIL	N/A	OPTION	SWITLIK TRENTON, N.J.	11/98	8/99	YES	N/A
SY140 PAESS (NDI) FY-2000	750	0.72	NAWCAD/PAX	7/98	C/FP	TBD	3/00	10/00	YES	N/A
FY-2001	800	0.72	NAWCAD/PAX	N/A	OPTION	TBD	3/01	10/01	YES	N/A
SY155 SWIMMERS DRY SUIT FY-2000	75	0.65	NAWCAD/PAX	N/A	C/FP	TBD	2/00	08/00	YES	N/A
FY-2001	100	0.65	NAWCAD/PAX	N/A	C/FP	TBD	12/00	06/01	YES	N/A
SY170 NAVY COMBAT EDGE FY-1998	330	4.29	VARIOUS	N/A	OPTION	VARIOUS	1/98	10/98	YES	N/A
FY-1999	303	3.98	VARIOUS	N/A	OPTION	VARIOUS	1/99	10/99	YES	N/A
FY-2000	409	3.78	VARIOUS	N/A	OPTION	VARIOUS	11/99	08/00	YES	N/A
FY-2001	246	4.07	VARIOUS	N/A	OPTION	VARIOUS	11/00	08/01	YES	N/A

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY210 NIGHT VISION DEVICES (TACTICAL)										
FY-1998	234	6.68	NAVAIR,PAX	N/A	OPTION	ITT	12/97	6/98	YES	NA
FY-1999	670	6.48	NAVAIR,PAX	N/A	OPTION	ROANOKE, VA	12/98	6/99	YES	NA
FY-2000	195	6.48	NAVAIR,PAX	N/A	OPTION		01/00	07/00	YES	NA
SY211 NIGHT VISION GOGGLES SUPPORT EQUIPMENT										
FY-1999	65	24.24	NAWCAD/PAX	N/A	OMINBUS	HOFFMAN ENG, CN	11/98	01/99	YES	N/A
SY212 NIGHT VISION GOGGLES (ROTARY)										
FY-1999	575	6.49	NAVAIR	5/99	C/FP	ITT, ROANOKE VA	9/99	01/00	NO	9/99
FY-2000	45	6.48	NAVAIR	N/A	OPTION	ITT, ROANOKE VA	3/00	07/00	YES	N/A
FY-2001	442	7	NAVAIR	N/A	OPTION	ITT, ROANOKE VA	3/01	07/01	YES	N/A
FY-2000 (Plus Up)	2,000	7	NAVAIR	3/00	C/FP	TBD	7/00	7/01	YES	N/A
SY220 LOW PROFILE FLOTA- TION COLLAR										
FY-1998	1067	0.33	NAWC, CL	N/A	OPTION	SEI, ASHEVILLE, N.C	11/97	6/98	YES	NA
FY-1999	4126	0.34	NAWC, CL	N/A	OPTION		11/98	6/99	YES	NA
FY-2000	4602	0.40	NAWC, CL	N/A	OPTION		2/00	9/00	YES	N/A
SY300 MA-16 INERTIA REEL										
FY-2000	5700	1.05	NAWCAD/PAX	N/A	SS/FP	H KOCH & SONS ANAHEIM, CA	4/00	09/00	YES	N/A N/A
D. REMARKS										

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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
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FY 2001 BUDGET PRODUCTION SCHEDULE, P-21							DATE		FEBRUARY 2000		
APPROPRIATION/BUDGET ACTIVITY					Weapon System		P-1 ITEM NOMENCLATURE				
OTHER PROCUREMENT, NAVY							AVIATION				
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
SY060, C-SEL	BOEING, NORTH AMER, ANAHEIM,CA	50	500	700	1	2	3	3	5	months	
SY080, Laser Eye Protection	Kaiser, ANN ARBOR,MI	25	50	400	5	7	14	8	21	months	
SY085, JALEPV	AOTEC, SOUTHBRIDGE, MASS	40 25	300	400	7	3	6	6	9	months	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						SY060 AN/PRQ-7 HHR (C-SEL)	01	N	200	0	200			A			50	50	50	50										
SY080 Laser Eye Prot AN/AVS-9/Kaiser	00	N	2060	1547	513	171	171	171																						0
																														0
SY085 JALEPV/AOTEC	01	N	600	150	450	50	50	50	50	50	50	50	50	50																0

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Remarks:

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FY 2001 BUDGET PRODUCTION SCHEDULE, P-21										DATE FEBRUARY 2000																								
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY					Weapon System		P-1 ITEM NOMENCLATURE																											
		Production Rate			Procurement Leadtimes																													
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																								
SY210,Night Vision Devices (TACTICAL)	ITT, ROANOKE, VA	15	150	200	7	2	7	6	9	months																								
SY211,NVG Support Equip	HOFFMAN ENG, Stamford, CT	4	1	14	1	1	2	2	3	months																								
SY212, NVG (ROTARY)	ITT,ROANOKE, VA	15	150	200	7	5	4	4	9	months																								
SY212, NVG (ROTARY) PLUS-UP	TBD	TBD	TBD	TBD	3	9	8	0	17	months																								
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L			
							1997			CALENDAR YEAR 1998												CALENDAR YEAR 1999												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
SY210, Night Vision Devices (Tactical)/ITT	98	N	234	0	234			A						3	5	5	10	10	30	30	21	20	25	25	25	25	25	25	25	570				
	99	N	670	0	670															A														
SY211, NVG Support Equipment/Hoffman Eng	99	N	65	0	65														A		14								20	31				
SY212, Night Vision Goggles (Rotary)/ITT	99	N	575	0	575																								A	575				
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L			
							1999			CALENDAR YEAR 2000												CALENDAR YEAR 2001												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
SY210, Night Vision Devices (Tactical)/ITT	99	N	670	100	570	25	25	25	80	80	80	80	87	88																	0			
	00	N	195	0	195				A						50	50	50	45													0			
SY211, NVG Support Equipment/Hoffman Eng	99	N	65	34	31	20	11																								0			
SY212, Night Vision Goggles (Rotary)/ITT	99	N	575	0	575				48	48	48	48	48	48	48	48	48	47													0			
	00	N	45	0	45										45																0			
	01	N	442	0	442															A							37	37	37	331				
SY212, Night Vision Goggles (Rotary)/TBD	00	N	2000	0	2000										A												167	167	167	1499				
Remarks:																																		

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CLASSIFICATION:

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OPN			DATE: FEBRUARY 2000		
P-1 ITEM NOMENCLATURE SURVIVAL RADIO			Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 8 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	46	680	2200	4300	4920			
Unit Cost	65.782	2.898	1.900	1.816	1.772			
Total Cost	\$3,026	\$1,971	\$4,181	\$7,811	\$8719			
Asset Dynamics								
Beginning Asset Position	0	0	46	866	4003	7226		
Deliveries from all prior year funding	0	46	0	0	0	0		
Deliveries from FY 1999 funding	0	0	220	460	0	0		
Deliveries from FY 2000 funding	0	0	600	1600	0	0		
Deliveries from FY 2001 funding	0	0	0	1077	3223	0		
Deliveries from subsequent years' funding	0	0	0	0	0	4920		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	46	866	4003	7226	12146	12146	12146
Inventory Objective or Current Authorized Allowance	20000	20000	20000	20000	20000	20000	20000	20000
Inventory Objective 20000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000		
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
PRC-112 UPGRADES			6 MONTHS			12 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	1952	0	728	728	444			
Unit Cost	.263	0	.684	.684	.684			
Total Cost	\$515	\$0.0	\$498	\$498	\$304			
Asset Dynamics								
Beginning Asset Position	0	800	1778	2752	3118	3846		
Deliveries from all prior year funding	800	978	974	0	0	0		
Deliveries from FY 1999 funding	0	0	0	0	0	0		
Deliveries from FY 2000 funding	0	0	0	366	362	0		
Deliveries from FY 2001 funding	0	0	0	0	366	362		
Deliveries from subsequent years' funding	0	0	0	0	0	444		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	800	1778	2752	3118	3846	4652	4652	4652
Inventory Objective or Current Authorized Allowance	4652	4652	4652	4652	4652	4652	4652	4652
Inventory Objective 4652	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE:	
				OPN			FEBRUARY 2000	
P-1 ITEM NOMENCLATURE				Admin Leadtime (after Oct1):			Prod Leadtime :	
COMBAT SURVIVOR EVADER LOCATOR				2 MONTHS			3 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	0	0	0	200	260	2445	2736	2936
Unit Cost	0	0	0	15.785	11.403	6.708	6.904	6.976
Total Cost	\$0.0	\$0.0	\$0.0	\$3,157	\$2,965	\$16,402	\$18,890	\$20,483
Asset Dynamics								
Beginning Asset Position	0	0	0	0	0	200	460	2905
Deliveries from all prior year funding	0	0	0	0		0	0	0
Deliveries from FY 1999 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	0	0	0	0	0	0
Deliveries from FY 2001 funding	0	0	0	0	200	0	0	0
Deliveries from subsequent years' funding	0	0	0	0	0	260	2445	2736
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	0	0	200	460	2905	5641
Inventory Objective or Current Authorized Allowance	9028	9028	9028	9028	9028	9028	9028	9028
Inventory Objective 9028	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				OPN		DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE LASER EYE PROTECTION			Admin Leadtime (after Oct1): 7 MONTHS				Prod Leadtime : 14 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
Buy Summary	0	1920	2060							
Unit Cost	0	1.068	.892							
Total Cost	\$0.0	\$2,051	\$1,838							
Asset Dynamics										
Beginning Asset Position	0	320	320	1760	3787					
Deliveries from all prior year funding	320	0	0	0	0					
Deliveries from FY 1999 funding	0	0	1440	480	0					
Deliveries from FY 2000 funding	0	0	0	1547	513					
Deliveries from FY 2001 funding	0	0	0	0	0					
Deliveries from subsequent years' funding	0	0	0	0	0					
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attritions/etc.										
End of Year Asset Position	320	320	1760	3787	4300	4300	4300	4300	4300	4300
Inventory Objective or Current Authorized Allowance	4300	4300	4300	4300	4300	4300	4300	4300	4300	4300
Inventory Objective 6653	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:					
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI					
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:					
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI					
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:					
TOTAL:					Storage:					
Remarks:										

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE:	
				OPN			FEBRUARY 2000	
P-1 ITEM NOMENCLATURE				Admin Leadtime (after Oct1):			Prod Leadtime :	
JALEPV				3 MONTHS			6 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			350	600	600	600	600	600
Unit Cost			1.748	1.746	1.746	1.746	1.746	1.746
Total Cost			\$612	\$1,048	\$1,048	\$1,048	\$1,048	\$1,048
Asset Dynamics								
Beginning Asset Position			0	89	500	950	1550	2150
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 1999 funding			0	0	0	0	0	0
Deliveries from FY 2000 funding			89	261	0	0	0	0
Deliveries from FY 2001 funding			0	150	450	0	0	0
Deliveries from subsequent years' funding			0	0	0	600	600	600
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position								
Inventory Objective or Current Authorized Allowance			89	500	950	1550	2150	2750
			3500	3500	3500	3500	3500	3500
Inventory Objective 3500	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAL:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:				BAI	
Other:	FY 1995:	FY 1995:	FY 1995:				Inactive Inv:	
TOTAL:							Storage:	
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
			OPN				FEBRUARY 2000	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):				Prod Leadtime :	
HELICOPTER EMERGENCY EGRESS DEVICE			5 MONTHS				1 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	0	2000						
Unit Cost	0	.345						
Total Cost	\$0.0	\$690						
Asset Dynamics								
Beginning Asset Position	6000	6000						
Deliveries from all prior year funding	0	0						
Deliveries from FY 1999 funding	0	2000						
Deliveries from FY 2000 funding	0	0						
Deliveries from FY 2001 funding	0	0						
Deliveries from subsequent years' funding	0	0						
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	6000	8000						
Inventory Objective or Current Authorized Allowance	8000	8000	8000	8000	8000	8000	8000	8000
Inventory Objective 8000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000		
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)			2 MONTHS			5 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	758	450	439	142	300			
Unit Cost	1.501	1.028	1.3	1.302	1.3			
Total Cost	\$1,138	\$463	\$571	\$185	\$390			
Asset Dynamics								
Beginning Asset Position	1550	1741	2498	2866	3339			
Deliveries from all prior year funding	191	567	0	0	0			
Deliveries from FY 1999 funding	0	190	260	0	0			
Deliveries from FY 2000 funding	0	0	108	331	0			
Deliveries from FY 2001 funding	0	0	0	142	0			
Deliveries from subsequent years' funding	0	0	0	0	300			
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	1741	2498	2866	3339	3639	3639	3639	3639
Inventory Objective or Current Authorized Allowance	3639	3639	3639	3639	3639	3639	3639	3639
Inventory Objective 3639	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE				Admin Leadtime (after Oct1):			Prod Leadtime :	
PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS)				1 MONTHS			9 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		3053						
Unit Cost		.176						
Total Cost		\$539						
Asset Dynamics								
Beginning Asset Position		5483	5993					
Deliveries from all prior year funding		0	0					
Deliveries from FY 1999 funding		510	2543					
Deliveries from FY 2000 funding		0	0					
Deliveries from FY 2001 funding		0	0					
Deliveries from subsequent years' funding		0	0					
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		5993	8536	8536	8536	8536	8536	8536
Inventory Objective or Current Authorized Allowance		8536	8536	8536	8536	8536	8536	8536
Inventory Objective 8536	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE				Admin Leadtime (after Oct1):			Prod Leadtime :	
PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS)				5 MONTHS			7 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			750	800	800	725	725	
Unit Cost			.725	.725	.725	.725	.725	
Total Cost			\$544	\$580	\$580	\$526	\$526	
Asset Dynamics								
Beginning Asset Position			0	0	750	1550	2350	3075
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 1999 funding			0	0	0	0	0	0
Deliveries from FY 2000 funding			0	750	0	0	0	0
Deliveries from FY 2001 funding			0	0	800	0	0	0
Deliveries from subsequent years' funding			0	0	0	800	725	725
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position				750	1550	2350	3075	3800
Inventory Objective or Current Authorized Allowance			3800	3800	3800	3800	3800	3800
Inventory Objective 3800	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:				BAI	
Other:	FY 1995:	FY 1995:	FY 1995:				Inactive Inv:	
TOTAL:							Storage:	
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE				Admin Leadtime (after Oct1):			Prod Leadtime :	
SWIMMERS' DRY SUIT				4 MONTHS			6 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			75	100	100	74		
Unit Cost			.653	.650	.650	.653		
Total Cost			\$49	\$65	\$65	\$49		
Asset Dynamics								
Beginning Asset Position			51	91	226	326		
Deliveries from all prior year funding			0	0	0	0		
Deliveries from FY 1999 funding			0	0	0	0		
Deliveries from FY 2000 funding			40	35	0	0		
Deliveries from FY 2001 funding			0	100	0	0		
Deliveries from subsequent years' funding			0	0	100	74		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position								
Inventory Objective or Current Authorized Allowance			400	400	400	400	400	400
Inventory Objective 400	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:				BAI	
Other:	FY 1995:	FY 1995:	FY 1995:				Inactive Inv:	
TOTAL:							Storage:	
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE NAVY COMBAT EDGE			Admin Leadtime (after Oct1): 3 MONTH			Prod Leadtime : 9 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	330	303	409	246				
Unit Cost	4.293	3.980	3.789	4.073				
Total Cost	\$1,417	\$1,206	\$1,550	\$1,002				
Asset Dynamics								
Beginning Asset Position	0	0	330	702	1084			
Deliveries from all prior year funding	0	330	0	0	0			
Deliveries from FY 1999 funding	0	0	303	0	0			
Deliveries from FY 2000 funding	0	0	69	340	0			
Deliveries from FY 2001 funding	0	0	0	42	204			
Deliveries from subsequent years' funding	0	0	0	0	0			
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	330	702	1084	1288	1288	1288	1288
Inventory Objective or Current Authorized Allowance	1288	1288	1288	1288	1288	1288	1288	1288
Inventory Objective 1288	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY			OPN		DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :			
NIGHT VISION DEVICES (TACTICAL)			2 MONTHS			6 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary	234	670	195						
Unit Cost	6.683	6.48	6.482						
Total Cost	\$1,564	\$4,342	\$1,264						
Asset Dynamics									
Beginning Asset Position	226	249	560	1280	0				
Deliveries from all prior year funding	23	211	0	0	0				
Deliveries from FY 1999 funding	0	100	570	0	0				
Deliveries from FY 2000 funding	0	0	150	45	0				
Deliveries from FY 2001 funding	0	0	0	0	0				
Deliveries from subsequent years' funding	0	0	0	0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position	249	560	1280	1325	1325	1325	1325	1325	
Inventory Objective or Current Authorized Allowance	1325	1325	1325	1325	1325	1325	1325	1325	
Inventory Objective 1325	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:				
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI				
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:				
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI				
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:				
TOTAL:					Storage:				
Remarks:									

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE NIGHT VISION GOGGLES SUPPORT EQUIPMENT				Admin Leadtime (after Oct1): 1 MONTHS			Prod Leadtime : 2 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		65						
Unit Cost		24,246						
Total Cost		\$1,576						
Asset Dynamics								
Beginning Asset Position		0	34					
Deliveries from all prior year funding		0	0					
Deliveries from FY 1999 funding		34	31					
Deliveries from FY 2000 funding		0	0					
Deliveries from FY 2001 funding		0	0					
Deliveries from subsequent years' funding		0	0					
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		34	65	65	65	65	65	65
Inventory Objective or Current Authorized Allowance		65	65	65	65	65	65	65
Inventory Objective 65	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY			DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE NIGHT VISION GOGGLES (ROTARY)				Admin Leadtime (after Oct1): 5 MONTHS			Prod Leadtime : 4 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		575	2045	442	433	419	691	602
Unit Cost		6.499	6.488	7.0	7.0	7.0	7.0	7.0
Total Cost		\$3,737	\$14,292	\$3,094	\$3,031	\$2,933	\$4,837	\$4,214
Asset Dynamics								
Beginning Asset Position		0	0	477	1232	3062	3495	3914
Deliveries from all prior year funding		0	0	0	0	0	0	0
Deliveries from FY 1999 funding		0	432	143	0	0	0	0
Deliveries from FY 2000 funding		0	45	501	1499	0	0	0
Deliveries from FY 2001 funding		0	0	111	331	0	0	0
Deliveries from subsequent years' funding		0	0	0	0	433	419	691
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		0	477	1232	3062	3495	3914	4605
Inventory Objective or Current Authorized Allowance		5432	5432	5432	5432	5432	5432	5432
Inventory Objective 5432	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				OPN		DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):				Prod Leadtime :			
LOW PROFILE FLOTATION COLLAR			1 MONTHS				7 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
Buy Summary	1067	4126	4602							
Unit Cost	.333	.349	.400							
Total Cost	\$356	\$1,440	\$1,841							
Asset Dynamics										
Beginning Asset Position	2305	2661	4748	7882						
Deliveries from all prior year funding	356	711	0	0						
Deliveries from FY 1999 funding	0	1376	2750	0						
Deliveries from FY 2000 funding	0	0	384	4218						
Deliveries from FY 2001 funding	0	0	0	0						
Deliveries from subsequent years' funding	0	0	0	0						
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attritions/etc.										
End of Year Asset Position	2661	4748	7882	12100	12100	12100	12100	12100		
Inventory Objective or Current Authorized Allowance	12100	12100	12100	12100	12100	12100	12100	12100	12100	
Inventory Objective 12100	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:					
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI					
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:					
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI					
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:					
TOTAL:					Storage:					
Remarks:										

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Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE: FEBRUARY 2000	
P-1 ITEM NOMENCLATURE MA-16 INERTIA REEL			Admin Leadtime (after Oct1): 6 MONTHS			Prod Leadtime : 6 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			5700					
Unit Cost			1.052					
Total Cost			\$6,000					
Asset Dynamics								
Beginning Asset Position			0	950				
Deliveries from all prior year funding			0	0				
Deliveries from FY 1999 funding			0	0				
Deliveries from FY 2000 funding			950	4750				
Deliveries from FY 2001 funding			0	0				
Deliveries from subsequent years' funding			0	0				
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			950	5700	5700	5700	5700	5700
Inventory Objective or Current Authorized Allowance			5700	5700	5700	5700	5700	5700
Inventory Objective 5700	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:	PAA: TAI		
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:	Attrition Res:		
Pipeline:	FY 1996:	FY 1996:	FY 1996:			BAI		
Other:	FY 1995:	FY 1995:	FY 1995:			Inactive Inv:		
TOTAL:						Storage:		
Remarks:								

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BUDGET ITEM JUSTIFICATION SHEET								DATE:				
P-40								February 2000				
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							Airborne Mine Countermeasures					
Program Element for Code B Items: 0604373N							Other Related Program Elements					
	Prior Years	ID Code		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)		B		\$35.3	\$31.3	\$32.1	\$42.3	\$42.9	\$78.6	\$104.0	Cont.	Cont.
SPARES COST (In Millions)				\$1.8	\$3.6	\$1.6	\$1.9	\$2.6	\$6.1	\$5.0	Cont.	Cont.

Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The CH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.

S0020 - Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.

S0061 - The MK-105 Mod 4 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of coarse magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness.

S0062 - AN/AQS-14A is a digital upgrade to the electronics used in the airborne console for the AQS-14 which has been in the fleet since 1984. The requirement for this upgrade is driven by parts obsolescence, the need for improved performance, and advances in the state of the art.

S0063 - Magnetic Cable is a new magnetic sweep array with an extended operational life and the capability to handle twice the current of existing cables. Additionally, cable diameter and bend radius are maintained to allow continued use of existing support equipment.

S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines.

S0066 - C4I funding provided in FY99 will purchase ARC-220 radios, mission data link sub-assemblies, and associated interfaces for an AMCM C4I Data Link capability.

P-1 SHOPPING LIST

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures					
Program Element for Code B Items: 0604373N							Other Related Program Elements					
	Prior Years	ID Code		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)		B		\$35.3	\$31.3	\$32.1	\$42.3	\$42.9	\$78.6	\$104.0	Cont.	Cont.
SPARES COST (In Millions)				\$1.8	\$3.6	\$1.6	\$1.9	\$2.6	\$6.1	\$5.0	Cont.	Cont.
<p>S0071 - AN/AQS-14A LLSS provides a mine identification deployment contingency capability to significantly increase the speed of mine clearing operations. It involves integration of an off-the-shelf SM2000 Laser Line Scanner into the AN/AQS-14A minehunting system.</p> <p>S0073 - AN/AQS-20 funding provided in FY 2000 - FY 2002 supports Limited Production. The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E. FY00/FY01 includes two AN/AQS-20 systems which will be provided to the Remote Minehunting System (RMS) program as Government Furnished Equipment (GFE).</p> <p>S0074 - AN/AQS-20X funding provided in FY2003 and out supports initial full rate production. The AN/AQS-20X will provide battle groups with an organic CH-60S compatible minehunting system capable of high speed airborne search, detection, localization, classification and identification of sea mines. The AN/AQS-20X includes an added mine identification capability and will be effective against bottom, close tethered and volume mines.</p> <p>S0075 - Airborne Laser Mine Detection Systems (ALMDS) is a light detection and ranging (LIDAR) system for rapid detection and localization of floating and near-surface tethered mines. ALMDS will be an Organic Airborne Mine Countermeasure (OAMCM) capability deployed from the CH-60S helicopter.</p> <p>S0076 - The Organic Airborne & Surface Influence Sweep (OASIS), formerly organic SWIMS, will provide a self-contained, high tow speed, shallow water influence multi-sweep capability, capable of being towed by the organic CH60S helicopter and selected surface craft.</p> <p>S0077 - Rapid Airborne Mine Clearance System (RAMICS) will provide an effective rapid organic airborne laser detection, targeting, and super cavitating projectile destruction of shallow water mines off the CH60S platform.</p>												
PE #0604373N	<u>AMNS</u>	<u>AN/AQS-20X</u>	<u>ALMDS</u>	<u>OASIS</u>	<u>AQS-14A LLSS</u>	<u>RAMICS</u>						
DT	APR 00	MAR 02	OCT 02	JUN 03	DEC 00	NOV 03						
OT	AUG 00	JUN 02	MAR 03	AUG 03	DEC 00	MAR 04						
FOT&E	AUG 02											
IOT&E			OCT 02									
TDP	MAY 03	NOV 02	MAR 03	MAR 04	FEB 01	DEC 04						
PRODUCTION SPEC	MAY 03					DEC 04						

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System									DATE: February 2000	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT						ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years				FY 1999			FY 2000			FY 2001			
			Total Cost				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
S0020	MODIFICATION	A							1,981			3,124			2,089	
S0061	<u>Unit Cost - MK-105 Mod 4</u>	A					3	4,300	12,900	1	4,800	4,800			0	
	STRUTS - NON-RECURRING								0			0			0	
	PRODUCTION SUPPORT - TRAINING								381			0			0	
	PUBLICATIONS/TECHNICAL DATA											0			0	
	STRUTS-RECURRING								400			60			667	
	SUPPORT EQUIPMENT								1,382			0			734	
	CONVERSION								600			1,200			600	
	S0061 TOTAL								15,663			6,060			2,001	
S0062	<u>Unit Cost - AN/AQS-14A KITS</u>	A					6	360	2,160							
	NON-RECURRING ENGINEERING															
	SUPPORT EQUIPMENT															
	ILS/PUBS/TECH DATA															
	TRAINING															
	COMPONENTS															
	RELIABILITY ECPs								4,351							
	S0062 TOTAL								6,511			0			0	
S0063	<u>Unit Cost - MAGNETIC CABLE</u>	A					13	85	1,105							
	NON-RECURRING ENGINEERING															
	SUPPORT EQUIPMENT								75							
	ILS/PUBS/TECH DATA								120							
	TRAINING															
	S0063 TOTAL								1,300			0			0	
Subtotal			0						25,455			9,184			4,090	

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 NAVY/AVIATION SUPPORT EQUIPMENT						ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years				FY 1999			FY 2000			FY 2001		
			Total Cost				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0065	Unit Cost - AMNS	A								2	1,150	2,300	2	1,150	2,300
	Unit Cost - EXPENDABLES									20	50	1,000	20	50	1,000
	NON-RECURRING ENGINEERING											150			0
	SUPPORT EQUIPMENT (CONTAINERS)											200			200
	ILS/PUBS/TECH DATA											271			231
	TRAINING											200			200
	S0065 TOTAL											4,121			3,931
S0066	Unit Cost - C4I UPGRADES	A					29	185	5,365						
	NON-RECURRING ENGINEERING								758						
	SUPPORT EQUIPMENT								500						
	ILS/PUBS/TECH DATA								762						
	TRAINING								395						
	PROGRAM SPECIFIC (TEST/INSTALL)								2,098						
	S0066 TOTAL								9,878						
S0071	Unit Cost - AN/AQS-14A LLSS	B											4	940	3,760
	NON-RECURRING ENGINEERING														
	SUPPORT EQUIPMENT														
	ILS/PUBS/TECH DATA														
	TRAINING													503	
	PRODUCTION SUPPORT													4,263	
	S0071 TOTAL														
Subtotal			0						9,878			4,121			8,194

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 NAVY/AVIATION SUPPORT EQUIPMENT						ID Code B		P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years				FY 1999			FY 2000			FY 2001		
			Total Cost				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0073	<u>Unit Cost - AQS-20</u> NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING INTERIM SPARES S0073 TOTAL	B								2	6,350	12,700 0 1,621 2,200 0 1,500 18,021	3	5,900	17,700 2,100 19,800
Total			0						35,333			31,326			32,084

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2000		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI 424800				SUBHEAD 73S0	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (99)										
MK-105 MOD 4-S0061	3	4300	NAVSEA		OPTION	EDO CORP, N. AMITYVILLE, NY	11/98	9/00	YES	
AN/AQS-14A KITS-S0062	6	360	NAVSEA		OPTION	NORTHROP-GRUMMAN	11/98	8/99	YES	
MAGNETIC CABLE-S0063	13	85	NAVSEA		OPTION	COGENT, NEWPORT	12/98	7/99	YES	
C4I UPGRADES - S0066	29	185	NAVSEA		SS/FP	EDO CORP, N. AMITYVILLE, NY	3/99	4/00	YES	
FISCAL YEAR (00)										
MK-105 MOD 4-S0061	1 *	4800	NAVSEA		SS/FP	EDO CORP, N. AMITYVILLE, NY	2/00	1/02	YES	
AMNS - S0065	2	1150	NAVSEA		SS/FP	LM/STN ATLAS, SYRACUSE, NY	12/00	06/02	NO	
AQS-20 - S0073	2	6350	NAVSEA		SS/FP	RAYTHEON, PORTSMOUTH, RI	5/00	5/02	NO	
FISCAL YEAR (01)										
AMNS - S0065	2	1150	NAVSEA		SS/FP	LM/STN ATLAS, SYRACUSE, NY	12/00	06/02	NO	
AN/AQS-14A LLSS - S0071	4	940	NAVSEA		SS/FP	NORTHROP GRUMMAN, MD	02/01	02/02	NO	
AQS-20 - S0073	3	5900	NAVSEA		SS/FP	RAYTHEON, PORTSMOUTH, RI	11/00	11/02	NO	
D. REMARKS * The FY00 Appropriations Act reduced funding for procurement of Combat Survivor Evader Locator (CSEL) Radios. The Congressional language directed this reduction against the AMCM budget line instead of the Aviation Life Support budget line where CSEL is budgeted. As a result, funding for Mk-105 Mod 4 upgrades has been reduced and the number of systems being modified in FY00 has been reduced by one system. Funds will be realigned during execution to restore the AMCM budget and allow procurement of two Mk-105 upgrades.										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment							Weapon System							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures													
							Production Rate			Procurement Leadtimes																	
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
MK-105 Mod 4	EDO, N. Amityville, NY					1	6	6	6	3	22		25	E													
MK-105 Mod 4									3	1		22	23	E													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MK-105 Mod 4	99		3	0	3														A										3	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MK-105 Mod 4	98		2	0	2								1		1														0	
MK-105 Mod 4	99		3	0	3												1		1										0	
MK-105 Mod 4	00		1	0	1						A																		1	

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment							Weapon System							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures													
							Production Rate			Procurement Leadtimes																	
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
MK-105 Mod 4	EDO, N. Amityville, NY					1	6	6	6	3	22		25	E													
MK-105 Mod 4									3	1		22	23	E													

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MK-105 Mod 4	00		1	0	1				1																					

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 2000																				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment							Weapon System							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures													
							Production Rate			Procurement Leadtimes																	
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure													
AN/AQS-20	Raytheon, Portsmouth, RI					1	12	12	3	1	24	0	25	E													
									3	1	0	24	25 E														

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/AQS-20	00		2	0	2								A													2				
AN/AQS-20	01		3	0	3												A									3				

Remarks:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE: RECONNAISSANCE ELECTRONIC WARFARE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$56.2		\$0.7	\$0.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$57.8
<p>REWSON: Reconnaissance Electronic Warfare Special Operations Navy</p> <p>This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.</p> <p>Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.</p> <p>This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).</p> <p>The FY98-99 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.</p> <p>NOTE: Due to the Navy's decision to combine small programs, all Y3S4 funds for FY00-05 have been moved to Y3SX (Other Photographic Equipment).</p>												

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WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System						DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000 **			FY 2001			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
S4019	MISC SMALL EQUIPMENT & ECPS	A	2,253			61			105							
S4830	PRODUCTION ENGINEERING & LOGISTICS		1,365			149			259							
S4100	DIGITAL CAMERA RECEIVING STATION	A	450	3	155	465	3	160	480							
	VARIOUS OTHER COSTS, FY 95 & PRIOR *		52,166													
*The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond. **Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).																
			56,234			675			844			0				

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2000				
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4						
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
S4100											
DCRS											
FY 1998	3	155	SPAWAR Det., Phil	Apr-98	C/MIPR/FP	Various	Jun-98	Sep-98	YES	N/A	
FY 1999	3	160	SPAWAR Det., Phil	Apr-99	C/MIPR/FP	Various	Jun-99	Sep-99	YES	N/A	
D. REMARKS											
Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).											

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST
 311 / 244 **ITEM NO 134** **PAGE 5** Exhibit P-21 Production Schedule

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY - 3 AIRCRAFT PROCUREMENT, NAVY			DATE: February 2000	
P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4				Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos	
DIGITAL CAMERA RECEIVING STATION	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	3	3						
Unit Cost	155	160						
Total Cost	465	480						
Asset Dynamics								
Beginning Asset Position	3	6						
Deliveries from all prior year funding	3	0						
Deliveries from FY 1999 funding	0	3						
Deliveries from FY 2000 funding	0	0						
Deliveries from FY 2001 funding	0	0						
Deliveries from subsequent years' funding	0	0						
Other Gains	0	0						
Combat Losses/Usage	0	0						
Training Losses/Usage	0	0						
Test Losses/Usage	0	0						
Other Losses/Usage	0	0						
Disposals/Retirements/Attritions/etc.	0	0						
End of Year Asset Position	6	9						
Inventory Objective or Current Authorized Allowance	54	54						
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXXX:	FY 1998 thru XXXXXX:	FY 1998 thru XXXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other: 54	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks: Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200). Inventory objective of 54 equals: Four digital base stations per ship (4*12=48) 48 Two digital base stations each for three shore activities (2*3=6) 6 54								

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2000				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY											
COST (In Millions)	\$233.6		\$5.8	\$4.2	\$4.9	\$10.3	\$11.3	\$4.8	\$6.8	CONT	CONT
<p>The following items are funded in this line:</p> <p>1. <u>Naval Aviation Logistics Data Analysis (NALDA) SUPPORT Upgrade to NALDA II:</u></p> <p>NAVAIR was directed by the CNO to extend NALDA accessability to all USN and USMC aviation supportability and maintenance reporting activities and NAVAIR Team sites. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure,standardized, COTS, user-friendly, Client-Server and relational database environment. Additionally, Life-Cycle Management (LCM) dollar resource requirements have been identified for hardware, software and process technology upgrades (refreshment), which have also been incorporated above.</p> <p>Funding budgeted in FY 2001 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.</p> <p>Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).</p> <p>2. <u>NAVAIR Support Equipment (OIS Headquarters SE):</u></p> <p>Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL., the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Aviation Technical Data and Engineering Service Command (NATEC), San Diego. Support equipment is evaluated on a cost-effective (lease vs. purchase) basis. The Navair Headquarters Network (NHN) provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data. The NAVAIR Electronic Acquisition funding provides for the procurement of necessary upgrades to the NAVAIR TEAM-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of Electronic Acquisition Initiatives. The OSD Mandated Initiatives include, but are not limited to the following: Standard Procurement System (SPS), Interfaces, Electronic Procurement Generator (EPG), Electronic Document Access (EDA), Wide Area Work Flow (WAWF). The Workload Planning System (WPS) funding provides for a data repository to maintain corporate workload planning information. WPS will provide valuable feedback on the rate and quality of the command's execution to plan and provide the basis for smart investment decisions when trade-offs in capability and capacity are necessary.</p>											

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System			DATE: February 2000			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment						ID Code		OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7				
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 1999			FY 2000			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S7030	PEO (A) Industrial Facilities Equipment		2,553			224			213			209
S7040	NALDA		15,365			3,939			3,951			4,719
S7020	OIS Headquarters SE		44,928			1,637			0			0
	Various 1/ 1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1998 and beyond.		170,706			0			0			
			233,552			5,800			4,164			4,928

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2000			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT				SUBHEAD 43S7/U3S7/Y3S7	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S7040- NALDA										
FY 1998	1 Lot	5,748	NAVSUP/SPCC			FDSC*	01/98	01/98	YES	N/A
FY 1999	1 Lot	3,939	NICP/NCTS			InterGraph	02/99	03/99	YES	N/A
FY 2000	1 Lot	3,951	NICP/NAWCAD			InterGraph/Dynamix	12/99	2/00	YES	N/A
D. REMARKS * FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002. ** Quantities reflect complete systems comprised of several components.										